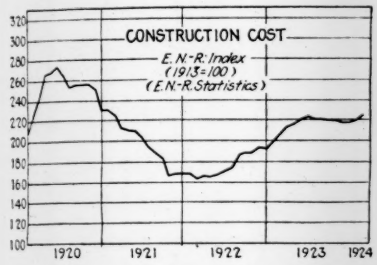
CONSTRUCTION NEWS

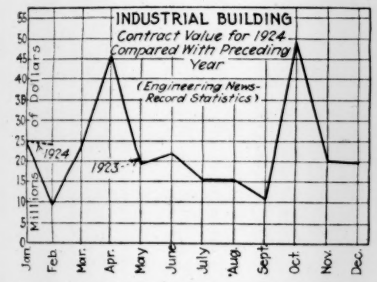
Engineering News-Record, March 13, 1924

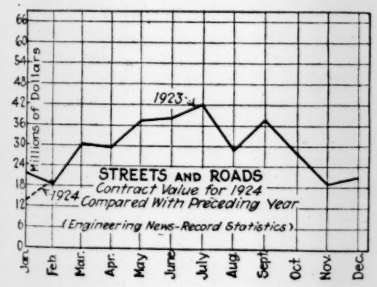
The Construction Barometer

Volume of Construction Increasing With Present Cost Level Above Highest Point Reached Last Year

CONSTRUCTION cost is now over one per cent above July, 1923, the highest point reached last year. Following the July cost peak came the "buyers' strike" and immediately after that in August, the lowest volume of construction for any month in the entire year. While cost is higher than at any time last year, volume is increasing and the danger of a buyers' strike is more remote than ever. Current buying is confined mostly to moderate quantities for immediate use. Danger of materials' shortages does not confront the buyer in the present market to the same extent as it did a year ago. A fairly high production rate is being maintained in the basic materials, with demand following closely behind the output, as shown by unusually heavy car loadings for this time of the year.







Engineering News-Record Statistics

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ended	Public Work	Private Work	Total Contracts
Feb. 21	$15,802,000	$38,386,000	$54,188,000
Feb. 28	18,333,000	30,839,000	49,172,000
Mar. 6	18,660,000	15,917,000	34,577,000
3 weeks	$52,795,000	$85,142,000	$137,937,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

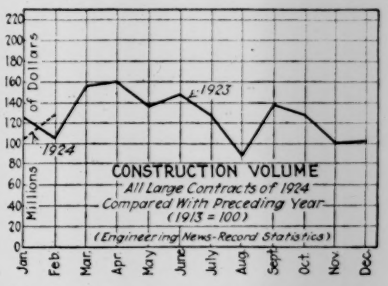
Week Ended	Public No.	Public Work	Private No.	Private Work
Feb. 21	7	$4,154,000	38	$31,438,000
Feb. 28	22	6,556,000	47	14,061,000
Mar. 6	12	5,300,000	36	9,438,000
3 weeks	41	$16,010,000	121	$54,937,000

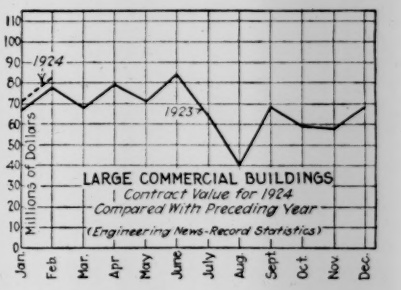
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

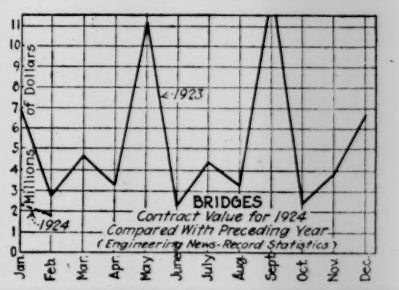
Week Ended	Private	All Buildings	Public Streets and Roads	Public Waterworks and Sewers	Public All Public
Feb. 21	39	56	54	31	192
Feb. 28	41	60	61	33	188
Mar. 6	45	70	80	35	229

PRICES OF BASIC MATERIALS FIRM DURING LAST TWO WEEKS

	Quoted on Mar. 13 at	Price Was	On
Structurals, Pittsburgh, 100 lb.	$2.40 @2.50	$2.35 @2.50	Feb. 7
Cement, Chi., net bbl.	2.20	2.10	Jan. 24
Pine, N. Y., M. ft.	65.00	62.00	Feb. 28
Fir, San Fran., M. ft.	36.00	38.00	Jan. 24
Common labor, hr	.55	.54	Feb. 28







PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

Bids Close — See Eng. News-Record

WATERWORKS

Bids Close		See Eng. News-Record
Mar. 14	Evansville, Ind.	Mar. 13
Mar. 17	Black River Falls, Wis.	Feb. 21
Mar. 17	Kohler, Wis.	Feb. 28
Mar. 17	Norfolk, Neb.	Mar. 13
Mar. 17	Wash., D. C.	Mar. 13
Mar. 17	Shorewood (Milwaukee P. O.) Wis.	Mar. 13
Mar. 18	Oklahoma City, Okla.	Mar. 13
Mar. 18	Columbus, O.	Mar. 13
Mar. 18	Mount Prospect, Ill.	Feb. 14
Mar. 19	San Francisco, Calif.	Mar. 13
Mar. 19	Silver Creek, N. Y. Adv. Mar. 6 and 13.	Mar. 6
Mar. 19	Cleveland, O.	Mar. 13
Mar. 19	Portage, Wis.	Mar. 13
Mar. 20	Austin, Tex.	Mar. 6
Mar. 20	Paulsboro, N. J. Adv. Mar. 13.	Mar. 13
Mar. 20	Palmyra, Mo.	Mar. 13
Mar. 21	Trenton, N. J.	Mar. 13
Mar. 24	Park Ridge, N. J.	Mar. 6
Mar. 25	Ferriday, La.	Mar. 13
Mar. 26	Litchfield, Ill.	Feb. 21
Mar. 27	Dunn, N. C. Adv. Mar. 6 and 13.	Mar. 6
Mar. 27	Newberry, S. C. Adv. Mar. 6 and 13.	Mar. 6
Mar. 31	Barberton, O. Adv. Mar. 13.	Mar. 13

SEWERS

Bids Close		See Eng. News-Record
Mar. 17	Harvey, Ill.	Mar. 13
Mar. 18	Columbus, O.	Mar. 13
Mar. 18	Hartford, Conn.	Mar. 6
Mar. 18	Charlotte, N. C. Adv. Mar. 6 and 13.	Mar. 13
Mar. 19	Cleveland, O.	Mar. 13
Mar. 19	St. George, N. Y.	Mar. 13
Mar. 19	Brooklyn, N. Y.	Mar. 13
Mar. 20	Madison, Ill.	Mar. 13
Mar. 21	Wash., D. C. Adv. Mar. 13.	Mar. 13
Mar. 21	Miami Beach, Fla. Adv. Mar. 13.	Mar. 13
Mar. 25	Trenton, N. J.	Mar. 13
Mar. 25	Ollton, Okla.	Mar. 13
Apr. 1	Toledo, O. Adv. Mar. 6 and 13.	Mar. 6
Apr. 5	Pottstown, Pa. Adv. Mar. 13.	Mar. 13
Apr. 8	Springfield, Mass. Adv. Mar. 13.	Mar. 13

WASTE DISPOSAL

Bids Close		See Eng. News-Record
Mar. 18	Toronto, Ont.	Feb. 21

BRIDGES

Bids Close		See Eng. News-Record
Mar. 18	Nevada, Ia.	Mar. 6
Mar. 19	Sullivan, Me.	Feb. 21
Mar. 19	Greenwood, Miss.	Feb. 28

Bids Close		See Eng. News-Record
Mar. 19	Phila., Pa. ..... Adv. Feb. 21 to Mar. 13.	Feb. 21
Mar. 19	Alabama	Feb. 28
Mar. 20	Charleston, S. D.	Feb. 21
Mar. 20	Blakely, Minn.	Mar. 6
Mar. 21	Port Huron, Mich.	Mar. 13
Mar. 21	Missouri	Mar. 13
Mar. 25	Springfield, Mass. ..... Adv. Mar. 6 and 13.	Mar. 6
Mar. 25	North Carolina ..... Adv. Mar. 6 and 13.	Mar. 13
Mar. 27	Buffalo, N. Y.	Mar. 6
Mar. 27	Youngstown, O.	Mar. 13
Mar. 31	Vancouver, B. C.	Mar. 13
Mar. 31	Houston, Tex.	Mar. 6
Mar. 31	Alabama	Mar. 6
Mar. 31	Rochelle Park, N. J. ..... Adv. Mar. 13.	Mar. 13
Apr. 1	Clarksville, Tenn. ..... Adv. Mar. 13.	Mar. 13
Apr. 1	Portland, Ore.	Mar. 6
Apr. 1	Pennsylvania ..... Adv. Mar. 13.	Mar. 13
Apr. 7	Alabama	Mar. 13
Apr. 7	Sacramento, Calif.	Mar. 13
Apr. 8	West Virginia ..... Adv. Mar. 13.	Mar. 13
Apr. 15	Chamberlain, S. D.	Mar. 13
May 1	Tientsen, North China	Oct. 11

DAMS

Mar. 27	Tacoma, Wash.	Mar. 6

RAILWAYS

Apr. 1	Indiana	Jan. 24

EXCAVATION, DRAINAGE IRRIGATION

Mar. 18	Oconto, Wis.	Feb. 28
Mar. 18	Green Bay, Wis.	Mar. 6
Mar. 18	Lena, Wis.	Mar. 13
Mar. 20	Milwaukee, Wis.	Mar. 13
Mar. 20	Green Bay, Wis.	Mar. 13
Mar. 22	Ville Platte, La.	Mar. 13
Apr. 13	Buffalo, N. Y. ..... Adv. Mar. 13.	Mar. 13

STREETS AND ROADS

Mar. 14	New York, N. Y.	Mar. 6
Mar. 14	New York ..... Adv. Feb. 28 to Mar. 13.	Feb. 28
Mar. 14	Ohio	Mar. 6
Mar. 15	Geneva, Ill.	Feb. 28
Mar. 17	St. Paul, Minn.	Feb. 28
Mar. 17	Pennsylvania ..... Adv. Feb. 28 to Mar. 13.	Feb. 28
Mar. 17	Buffalo, N. Y.	Mar. 6
Mar. 17	Cape Girardeau, Mo.	Mar. 6
Mar. 17	Akron, O.	Mar. 6
Mar. 17	Burgin, Ky.	Mar. 6
Mar. 17	Connecticut ..... Adv. Mar. 13.	Mar. 13
Mar. 17	Long Island City, N. Y.	Mar. 13
Mar. 17	Dayton, O.	Mar. 13
Mar. 17	White Fish Bay, Wis.	Mar. 13
Mar. 18	Columbus, O.	Mar. 13
Mar. 18	Buffalo, N. Y.	Mar. 13
Mar. 18	Cincinnati, O.	Mar. 13
Mar. 18	Juneau, Wis.	Mar. 6
Mar. 18	Washington	Feb. 7
Mar. 18	Ontario	Feb. 28
Mar. 18	Starke, Fla.	Mar. 6
Mar. 18	Michigan	Mar. 6
Mar. 18	Indiana	Mar. 6
Mar. 18	Trenton, N. J.	Mar. 6
Mar. 18	Charlotte, N. C. ..... Adv. Mar. 6 and 13.	Mar. 13
Mar. 18	Nashville, Tenn.	Mar. 13
Mar. 18	London, Ont.	Mar. 13
Mar. 19	Cleveland, O.	Mar. 13
Mar. 20	Indiana	Mar. 13
Mar. 20	Louisiana	Mar. 13
Mar. 20	Louisiana	Mar. 6
Mar. 21	Cresson, Pa.	Mar. 6
Mar. 21	Alabama	Mar. 6
Mar. 21	Huntington, W. Va.	Mar. 13
Mar. 21	Missouri	Mar. 13
Mar. 21	Illinois	Mar. 13
Mar. 21	Miami Beach, Fla. ..... Adv. Mar. 13.	Mar. 13
Mar. 22	Kansas City, Kan.	Feb. 28
Mar. 22	Richmond, Ind.	Mar. 13
Mar. 24	Moorhead, Minn.	Mar. 6
Mar. 24	Michigan	Mar. 13
Mar. 24	San Diego, Calif.	Mar. 13
Mar. 25	Greenville, Tex.	Mar. 13
Mar. 25	Michigan	Mar. 13
Mar. 25	Washington	Feb. 28
Mar. 25	North Carolina ..... Adv. Mar. 13.	Mar. 13
Mar. 25	Minnesota	Mar. 6
Mar. 26	New London, Conn.	Mar. 6
Mar. 26	Delaware	Mar. 6
Mar. 26	Providence, R. I. ..... Adv. Mar. 6 and 13.	Mar. 6
Mar. 26	New Jersey	Mar. 13
Mar. 26	Marshfield, Wis.	Mar. 13
Mar. 26	Fairmount, W. Va.	Mar. 13
Mar. 26	Harrisburg, Pa.	Mar. 13
Mar. 26	Jacksonville, Fla.	Mar. 13
Mar. 26	Maryland ..... Adv. Mar. 13.	Mar. 13
Mar. 27	Michigan	Mar. 13
Mar. 27	Belzoni, Miss. ..... Adv. Mar. 13.	Mar. 13
Mar. 31	Pennsylvania ..... Adv. Mar. 13.	Mar. 13
Mar. 31	Escanaba, Mich. ..... Adv. Mar. 13.	Mar. 13
Apr. 1	Lewisburg, W. Va. ..... Adv. Mar. 13.	Mar. 13
Apr. 1	St. Louis, Mo.	Mar. 6
Apr. 1	Pennsylvania ..... Adv. Mar. 13.	Mar. 13
Apr. 2	Abbeville, La.	Mar. 13
Apr. 2	Ontario	Mar. 13
Apr. 2	Benson, N. C.	Mar. 13
Apr. 3	Canton, S. D.	Mar. 13
Apr. 7	Alabama	Mar. 13
Apr. 8	Summersville, Va.	Mar. 6
Apr. 10	Port Gibson, Miss.	Mar. 13

INDUSTRIAL WORKS

Mar. 31	Louisville, Ky.	Mar. 13
Apr. 2	Morris Plains, N. J.	Mar. 13
May 21	Wellington, New Zealand ..	Jan. 10

BUILDINGS

Mar. 15	Bradford, Pa.	Feb. 21
Mar. 15	Barberton, O.	Feb. 28
Mar. 15	Atlantic City, N. J.	Mar. 6
Mar. 15	Phila., Pa.	Mar. 13
Mar. 15	Baltimore, Md.	Mar. 13
Mar. 16	Michigan City, Ind.	Mar. 6
Mar. 17	Minneapolis, Minn.	Feb. 28
Mar. 17	Green Bay, Wis.	Feb. 28
Mar. 17	Mendota, Wis.	Feb. 28
Mar. 17	Troy, N. Y.	Feb. 21
Mar. 17	North Plainfield (Watchung P. O.), N. J.	Feb. 21
Mar. 17	Louisville, Ky.	Mar. 6
Mar. 17	Juniata, Pa.	Mar. 13
Mar. 18	Lincoln, Neb.	Mar. 13
Mar. 18	Newark, O.	Mar. 6
Mar. 18	Montclair, N. J.	Mar. 6
Mar. 18	Orange, Mass.	Mar. 6
Mar. 18	St. Paul, Minn.	Mar. 13
Mar. 18	Detroit, Mich.	Mar. 13
Mar. 18	Gordon, Neb.	Mar. 13
Mar. 19	Burlington, Wis.	Mar. 6
Mar. 19	Baltimore, Md.	Mar. 6
Mar. 19	Mt. Clemens, Mich.	Mar. 13
Mar. 20	Gilbert, Minn.	Mar. 6
Mar. 20	Dayton, O.	Mar. 13
Mar. 21	Lockport, N. Y.	Feb. 21
Mar. 21	Troy, N. Y.	Mar. 6
Mar. 21	Bloomsburg, Pa.	Mar. 13
Mar. 21	Kenosha, Wis.	Mar. 13
Mar. 24	Easton, Pa.	Feb. 28
Mar. 24	St. Louis, Mo.	Mar. 6
Mar. 24	Phila., Pa.	Mar. 6
Mar. 25	Stony Creek Mills, Pa.	Mar. 6
Mar. 25	Emporia, Kan.	Mar. 13
Mar. 25	Greensboro, N. C.	Mar. 13
Mar. 25	Brooklyn, N. Y.	Mar. 13
Mar. 25	Ozone Park (Jamaica P. O.), N. Y.	Mar. 13
Mar. 25	St. Paul, Minn.	Mar. 18
Mar. 26	Greenville, Tex.	Mar. 13
Mar. 26	La Crosse, Wis.	Mar. 13
Mar. 26	Somerville, N. J.	Feb. 21
Mar. 26	Buffalo, N. Y.	Mar. 6
Mar. 26	Mahanoy City, Pa.	Mar. 13
Mar. 27	Newark, N. J.	Mar. 13
Mar. 28	Pueblo, Colo.	Mar. 6
Mar. 31	Wilson, N. C.	Mar. 13
Apr. 1	Oshkosh, Wis.	Mar. 13
Apr. 1	Akron, O.	Mar. 13
Apr. 1	Duluth, Minn.	Feb. 7
Apr. 1	Atlantic City, N. J.	Feb. 7
Apr. 1	Brainerd, Minn.	Feb. 28
Apr. 1	San Bernardino, Calif. ...	Mar. 6
Apr. 7	Whitewater, Wis.	Mar. 13
Apr. 8	New York, N. Y.	Mar. 13
Apr. 8	Brooklyn, N. Y.	Mar. 13
Apr. 8	Astoria (Long Island City P. O.), N. Y.	Mar. 13
May 1	Youngstown, O.	Feb. 7

FEDERAL GOVERNMENT WORK

Mar. 18	Post Office—Dubois, Pa.	Feb. 28
Mar. 19	Breakwater Pier—Hampton Roads, Va.	Mar. 6
Mar. 19	Foundations—Phila., Pa. ..	Mar. 6
Mar. 19	Roads—Portland, Ore.	Mar. 13
Mar. 20	Cement—Cincinnati, O.	Mar. 13
Mar. 20	Boats—Wash., D. C.	Feb. 28
Mar. 20	Dike and Sluice—Killochook Meadows, N. J.	Feb. 28
Mar. 21	Reservoirs—Wash., D. C. ..	Feb. 21
Mar. 22	Generators—Florence, Ala..	Feb. 14
Mar. 22	Generators—Sheffield, Ala..	Feb. 28
Mar. 25	Road Work, etc.—Fort Wright, (Fishers Island P. O.), N. Y. ..... Adv. Mar. 6 and 13.	Mar. 6
Mar. 25	Laundry Equipment—Knoxville, Ia.	Mar. 13
Mar. 26	Post Office—Midland, Mich.	Mar. 13
Mar. 28	Plumbing System—Wash., D. C. ..... Adv. Mar. 13.	Mar. 13
Mar. 28	Ice and Refrigerating Plant —Livermore, Calif.	Feb. 14
Mar. 28	Dredging — Providence, R. I. ..... Adv. Feb. 28 to Mar. 13.	Feb. 28
Apr. 2	Roads—Phoenix, Ariz.	Mar. 6
Apr. 4	Post Office—Orange, Tex. ..	Mar. 13
Apr. 4	Dredging—New York, N. Y. ..... Adv. Mar. 13.	Mar. 13
Apr. 8	Cement—Louisville, Ky. .... Adv. Mar. 13.	Mar. 13
Apr. 12	Dredging — Providence, R. I.	Mar. 13
Apr. 22	Steel Gates — Florence, Ala. ..... Adv. Mar. 13.	Mar. 13

UNCLASSIFIED

Mar. 14	Subway Entrance—New York, N. Y.	Mar. 13
Mar. 21	Transit Sheds—Los Angeles, Calif.	Mar. 13
Mar. 22	Steel Shed—Charleston, S. C. ..... Adv. Mar. 6 and 13.	Mar. 6
Mar. 25	Jetty—Belmar, N. J. ..... Adv. Mar. 13.	Mar. 13
Mar. 26	Chimney—Rocky Mount, N. C.	Mar. 6
Mar. 31	Hopper Dredge — Brisbane, Queensland, Australia	Nov. 1
Apr. 30	Headworks—Wellington, New Zealand	Dec. 13

MATERIAL AND EQUIPMENT

Mar. 17	Scarifying Grader—Winona, Minn.	Mar. 6
Mar. 17	Lumber—Milwaukee, Wis.	Mar. 13
Mar. 18	Bituminous Material, etc.—Ottawa, Ont.	Mar. 13
Mar. 18	Paving Blocks—New York, N. Y.	Mar. 13
Mar. 18	Steam Boiler Ashes—New York, N. Y.	Mar. 13
Mar. 19	Tractor—Benson, Minn.	Feb. 7
Mar. 20	Frogs, etc. — Houston, Tex.	Mar. 13
Mar. 21	Track Material—New York, N. Y.	Mar. 13
Mar. 24	Road Oil, etc.—Minneapolis, Minn.	Mar. 13
Mar. 25	Street Signs, Asphalt Filler, etc.—St. Paul, Minn.	Mar. 13
Mar. 26	Asphalt Cold Mix—Evansville, Ind.	Mar. 13
Mar. 28	Cement—Alabama	Mar. 6
Apr. 16	Power House Equipment—Tacoma, Wash. ..... Adv. Mar. 13.	Mar. 13
May 6	Asphalt, etc.—Holyoke, Mass.	Mar. 6

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y. Albany — Had plans prepared laboratory, alum hoppers and sedimentation basins, etc., for water plant. $500,000. Hazen & Whipple, 25 West 43rd St., New York City, engrs.

N. Y., Glenpark—Election soon to vote on ($30,000-$50,000 bonds) new water supply system.

N. Y., Medina—Plans new water line and pumping station. $50,000.

Pa. Duquesne — Having plans prepared reservoir and system of filters. $200,000. Address Boro. Engineer, Municipal Bldg.

Neb., Beatrice — Plans filtration plant. $65,000. L. Pethond, city clk.

Md., Baltimore—Making plans 1 story pumping station, concrete and brick, plain foundation, on Back River. $50,000. V. B. Siems, City Hall, water engr.

Va., Staunton—Making plans waterworks incl. pipe line and reservoir. $700,000 bonds approved. Fuller & McClintock, 179 Bway., New York, engrs.

Fla., Live Oak—Mar. 25, to vote on $35,000 bonds extending mains and sinking well on W. C. White Pl.; $39,500 bonds sinking well and constructing waterworks on Hill 3. G. B. Hills Co., Live Oak, engrs.

Ala., Florence — Election soon $100,000 bonds, improvements and extensions to waterplant, new mains, fire hydrants. $100,000. Bd. Pub. Wks., engrs.

Ky., Danville—Kentucky Hydro-Electric Co., M. E. Taylor Bldg., Louisville, soon takes bids new waterworks, here. $175,000. Noted June 14.

Ky., Owensboro—Soon takes bids extension to mains. $100,000. P. Burgess, Columbus, O., engr. Noted Oct. 6.

O., Bay Village—See "Sewers."

O., Cincinnati—See "Sewers."

O., Euclid — Takes bids in spring c.i. mains in Upson Rd., Euclid, St. Clair, Clifton, Beck and Canal Sts. To exceed $25,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

Waterworks (Continued)

Ill., Quincy — Making plans clearwater reservoir, 20 ft. deep, 100 ft. diam., 1 m.g. capacity, rein.-con. $15,000. W. R. Gilston, supt. Mead & Seastone, Journal Bldg., Madison, Wis., engrs.

Wis., Menomonee Falls—See 'Sewers."

Wis., North Milwaukee—Making plans 1½ mi. 6 in. c.i. mains H. C. Webster, M. & M. Bank Bldg., Milwaukee, engr.

Kan., Brookville — Plans waterworks. $18,000. Ruckel Eng. Co., Interburan Bldg., Hutchinson, engrs. Noted Jan. 24.

Kan., Leavenworth—Plans made waterworks improvements. E. T. Archer, 609 New England Bank Bldg., Kansas City, Mo., engrs.

Kan., Newton—Having plans prepared and soon takes bids, 1 m.g. rein.-con. reservoir. $30,000. E. T. Archer & Co., 609 New England Bank Bldg., Kansas City, Mo., engrs.

Kan., Riley—Making preliminary plans waterworks, incl. 50,000 gal. tank on tower, 11,136 ft. 4- to 8-in. c.i. pipe and fittings, 3,700 ft. 2 in. galvanized pipe, 23 hydrants, 8-in. cased well 120 to 140 ft. deep, deep well pump, etc. $32,000. Hensington Eng. Co., National Bldg., Omaha, Neb., engrs.

Neb., Hastings—Soon takes bids water works and electric light plant incl. pumps, engine, distribution mains, etc. $40,000. P. T. Naylor, city engr.

Ark., Magnolia—Making surveys and plans new waterworks. $40,000. E. T. Archer & Co., 609 New England Natl. Bank Bldg., Kansas City, Mo., engrs. Noted Feb. 21.

Mo., Hannibal—Making plans distributing mains, also 6 m.g. filter, motor driven low and high service pumping plant. $350,000. Burns & McDonnell, 402 Interstate Bldg., Kansas City, engrs.

Okla., Altus—Having surveys made new 500 hp. oil engine generator set together with pumps for water and light plant. $65,000. C. Reid, Altus, engr.

Okla., Cushing—Mar. 18, to vote on $407,000 bonds for earth dam, pipe line, filter plant, basins, motor driven centrifugal pumps and main extensions. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs. Noted Jan. 4.

Okla., Wetumka—Having surveys made rapid sand filter plant. 15,000 ft. 10 in. c.i. pipe and motor driven centrifugal pumps. $65,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Calif., Clarksburg — Holland Land Co. soon takes bids complete pumping plant, from 4,500 to 10,000 g.p.m. capacity. It is planned to purchase three large pumping plants later. I. H. Smith, c/o owner, engr. Noted Mar. 15.

Calif., Pine Knot—Bear Valley Utility Co. having plans prepared, 2 wells, casing, 2 pumping plants, 6 mi. 4- to 12-in. riveted steel pipe, concrete reservoir, 250,000 gal. capacity. To exceed $100,000. C. H. Loveland, Balboa Bldg., San Francisco, consult. engr.

Ont., Forest—Plans waterworks system incl. reservoir or water tank, pumps, hydrants, c.i. mains, etc. $30,000 to $40,000. W. J. English, town clk.

Ont., Smith Falls—Having plans prepared rein.-con. filtration plant. $25,000 to $30,000. S. B. Code, Town Hall, engr.

Ont., Waterford—Having plans prepared waterworks system incl. c.i. pipe, valves, specials, hydrants, pumps, motor, pumphouse and reservoir. $35,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Weston—Town plans 1½ mi. 6 in. c.i. mains. $25,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

BIDS DESIRED

N. J., Paulsboro—Mar. 20, by Paulsboro Water Co., furnishing 335 pieces 8 in., 880 pieces 6 in. and 220 pieces 4 in. Class B c.i. pipe and laying same with 3½ ft. covering, 5 tons special castings, seventy 4, 6 and 8 in. gate valves, fifteen 4 and 6 in double nozzle fire hydrants, stand pipe, 110 ft. high, 25 ft. diameter, etc. G. Pfeiffer, Jr., 37 East Walnut Ave., Merchantville, engr.; adv. E. N.-R. Mar. 13.

N. J., Trenton — Mar. 21, about one thousand two hundred ¾ in. curb stops, Mueller or equal; about two thousand ¾ in. and about three hundred 1 in. lead lined couplings; about two thousand five hundred ft. ¾ in. and five thousand ft. 1 in. lead lined pipe; one thousand four hundred ft. 1 x 4 in. and 250 ft. 1 x 6 in. lead lined nipples; 1,500 corporation cocks (brass) Mueller or equal 14,000 lb. leadite (McCay brand); 6,000 lb. pig lead; 1,200 curb boxes complete; 250 street valve boxes; 50 tons 4 in., 150 tons 6 in., 235 tons 10 in., 32 tons 12 in. and 125 tons 16 in. c.i. pipe, etc., f.o.b. Trenton. A. Swan, city comr.

D. C., Wash.—Mar. 17, by Dist. Comrs., one motor driven centrifugal pumping outfit with starting compensator, etc.

La., Ferriday—Mar. 25, by P. H. Corbett, mayor, waterworks system incl. pump house, pumps, steel tower and tanks, fire hydrants, water pipe, reservoir house connection, etc. $40,000. H. A. Mentz, Magnolia, Miss., consult. engr.

O., Barberton—Mar. 31, by J. F. Mentzer, dir. Pub. Serv., complete delivery system from water purification plant to present mains. W. G. Clark, 1046 Spitzer Bldg., Toledo, consult. engr.; adv. E. N.-R. Mar. 13. Noted Dec. 6.

O., Cleveland—Mar. 19, by Cuyahoga Co. 2,850 ft. 12 in. c.i. mains in Biddulph Rd. Impvt. 49. To exceed $25,000. R. F. MacDowell, Court House, engr.

O., Columbus—Mar. 18, by Bd. Comrs. Franklin Co., 7,385 ft. 6- to 12-in. c.i. mains, etc., in Sewer Dist. Clinton 2, North High St. area. Contr. 35, $40,000; 7,266 ft. 6 in. c.i. mains in Sewer Dist. Clinton 2, Chaseland area, Contr. 36, $15,000; 8,565 ft. 6 and 12 in. c.i. mains, etc., in Sewer Dist. Clinton 2, Sharon Height area, Contr. 37, $20,000; 3,075 ft. 6 in. c.i. mains, etc., in Sewer Dist. Prairie 1, Area 2, Contr. 38, $6,000.

O., Columbus—See "Streets and Roads."

Ind., Evansville — Mar. 14, by Bd. Trustees Water Dept., 350 tons 6- and 8-in. Class C, c.i. bell and spigot pipe; 1 carload calking lead for water pipe, f.o.b. Evansville.

Wis., Portage—Mar. 19, by C. L. Loomis, city clk., new water purification plant, pumping station and distribution system. City to furnish materials. $100,000. Pearse, Greeley & Hansen, 39 South Adams St., Chicago, engrs. Noted Dec. 13.

Wis., Shorewood (Milwaukee, P. O.)— Mar. 17, by Village Bd. laying 10,670 ft. 6- to 16-in. c.i. mains in various streets. $25,000. H. A. Schmitt, 1288 Murray Ave., engr.

Neb., Norfolk—Mar. 17, by S. R. McFarland, city clk., extensions to water system in Dists. 73 to 77 inclusive. $15,074. H. H. Tracy, city engr.

Neb., Primrose—Taking bids 50,000 gal. steel tank on 60 ft. tower, 8 in. tubular well, 60 ft. deep, two 75 g.p.m deep well pumps, pipe, etc. $12,000. Henningson Eng. Co., Natl. Bldg., Omaha, engrs.

Mo., Palmyra — Mar. 20, by H. M. Howard, city clk. and supt. Light & Water Dept., 100,000 gal. tank on elevated tower, also complete sewage plant. $25,000. W. B. Rolling & Co., 521 Ry. Exch. Bldg., Kansas City, engrs. Noted Dec. 20.

Okla., Oklahoma City—Mar. 18, by M. Peshek, Jr., city clk., improvements to water supply, incl. extension to main dams, additions and changes to existing dam structures, Ambursen type. B. M. Hart, city engr.

Calif., San Francisco—Mar. 19, by Bd. Pub. Wks. of City and San Francisco Co., centrifugal pumps and connections for Bay-Pulgas pumping plant, Contr. 94, Hetch Hetchy Project. M. M. O'Shaughnessy, city engr.

CONTRACTS AWARDED

N. Y., Gloversville—Bd. Water Comrs., 19 West Fulton St., Ayers Hill Reservoir, 21,300 cu.yd. earth and 100 cu.yd. rock excav., 350 cu.yd. screened gravel, 52,000 lb. reinforcing bars, 10,400 lin.ft. expansion joint, 100 ft. sewer pipe, etc., to E. P. Tupfer Corp., 592 Ellicott Sq., Buffalo, $56,820. Noted Jan. 31.

N. Y., New York—Bd. Water Supply, Gas & Electricity, Municipal Bldg., mains in Jerome Ave., to F. Hanratty, 605 Beach Terrace, $111,000. Noted Feb. 28.

N. Y., Palmyra—Bd. Village trustees, waterworks improvements, to T. Fischette, Clyde, Sect. A $23,625, Sect. B $10,373, Sect. C $7,293. Noted Feb. 7.

O., Lorain—Concrete filter beds, 100,000 lb. steel and 860 cu.yd. concrete, to Paterson Supply & Constr. Co., Bway., $36,000.

Wis., Neenah—Equipment at waterworks plant, to Fairbanks-Morse Mfg. Co., Beloit, oil engine $11,126, generator $2,370, motor for air compressor $1,248, switchboard $1,845, 1,000 gal. pump and motor $945; to Durey Compressor Co., Erie, Pa., electric air compressor $3,573. Pump house and storage tank not let.

Wis., White Fish Bay—See "Sewers."

Minn., Hibbing—Water softening plant, to Dohm Constr., 1911 3rd Ave., $15,786.

Neb., Dannebrog — Hennings Eng. Co., Natl. Bldg., Omaha, improving waterworks to Omaha Steel Wks., 48th and Leavenworth Sts., Omaha; to E. C. Archibald, 220 Ave. A, Council Bluffs, Ia., to F. F. Black, Council Bluff, Ia., to Waterous Fire Engine Wks., 80 East Fillmore St., St. Paul, Minn., to McWane Cast Iron Pipe Co., 27th Ave. N., Birmingham, Ala., c/o L. M. Petersen, Dannebrog. Total $21,477. Noted Jan. 31.

Neb., University Place (Lincoln, P. O.)— Improving waterworks incl. 500,000 gal. rein.-con. reservoir, high lift pumping station, 160 ft. deep well, two 500 g.p.m. centrifugal pumps, etc., general contract to C. C. Bickel, University Place, $27,814; c.i. pipe to U. S. Cast Iron Pipe Co., Amer. Trust Bldg., Birmingham, Ala., $5,290, installing pump to Power Utilities Co., Omaha, $2,660. Noted Feb. 7.

Sewers

PROPOSED WORK

O., Bay Village—Making plans sewers and water main. To exceed $25,000. Wight-O'Rourke Co., Rose Bldg., Cleveland, engrs.

O., Cincinnati—Hamilton Co. having plans prepared sewer and water districts for Indian Hill and Mt. Healthy Sewer Dists. L. C. Boyatt, Toledo, engr. R. E. Garvin, Davis & Farley Bldg., Cleveland, associated sanitary engr.

O., Euclid—Takes bids in spring sewers in Lloyd Rd., Shore View and Coulter Aves., Clifton and East 213th Sts. $100,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

Ill., Dixon — Having preliminary plans prepared storm and sanitary sewers in west end of city, 20,000 lin.ft. 8- to 18-in. vitr. clay sewers, flush tanks, catchbasins, etc. T. W. Clayton, Dixon, engr.

Wis., Columbus—Making plans 2 mi. 8- to 10-in. sewers in West Columbus St. W. F. Reichardt, 109 Main St., Watertown, engr.

Wis., Menomonee Falls—Making plans 1 mi. 8- to 15-in. sewers and 1 mi. 6- to 12-in. c.i. mains in various streets, also sewage disposal plant and elevated steel water tank. W. F. Reichardt, 109 Main St., Watertown, engr.

Wis., North Milwaukee—Making plans 3 mi. 8 in. vitr. clay sanitary sewers in various streets. H. C. Webster, M. & M. Bank Bldg., Milwaukee, engr.

Ia., Marshalltown—Plans 58,290 lin.ft. 6- to 10-in. vitr. sanitary sewers, 87 manholes, 40 lampholes, etc. $100,000. O. G. Hern, city engr.

Mo., Sikeston—Defeated $100,000 bonds for 48- to 72-in. storm sewers. Will probably resubmit same within 60 days. W. A. Fuller Co., Ry. Exch. Bldg., St. Louis, engrs. Noted Jan. 31.

Ark., Magnolia—Making surveys and plans new sanitary sewers. $60,000. E. T. Archer & Co., 609 New England Bank Bldg., Kansas City, Mo., engrs. Noted Feb. 21 under Waterworks.

Tex., Conroe — Plans election $40,000 bonds, sewers and disposal plant. Baker & Von Zuben, Ellison Bldg., Ft. Worth, engrs.

Tex., Winters—Mar. 25 to vote on $45,000 bonds, disposal plant and sewers. Municipal Eng. Co., Praetorian Bldg., Dallas, prepared plans. Noted Jan. 31.

Okla., Cushing—Mar. 18, to vote on $98,000 bonds for 3 mi. outfall sewer and disposal plant, Imhoff tanks and filters. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Okla., Lawton—Mar. 20, to vote on $85,000 bonds for disposal plant, Imhoff tank and centrifugal pumps. W. V. Montin, city engr. Noted Jan. 10.

Okla., Sand Springs—Election in April $150,000 bonds for 3,000 ft. 8-in. storm sewers. Holway Eng. Co., 515 New Wright Bldg., Tulsa, consult. engrs.

Okla., Wewoka—Having surveys made 3 mi. sanitary sewer extensions in Okfuskey, Cedar, Park, Plum, Peach, Pear, Church, and Jackson Sts., incl. 13,000 lin.ft. of 8- to 12-in. vitr. clay pipe. $35,000. V. V. Long & Co., 1300 Colcord St., Oklahoma City, engrs.

Wash., Pullman — Plans to improve sewerage system and will issue bonds for $70,000. M. K. Snyder, city engr.

Calif., Pomona—Apr. 14, to vote on $25,000 bonds for completing outfall sewerage system. F. C. Troehde, city engr.

Ont., St. Thomas — Takes bids about Mar. 15, sewage disposal plant with electrically operated pumping station. $80,000. Prices wanted on materials and equipment. W. C. Miller, city engr.

Ont., Toronto—See "Streets & Roads."

Ont., Toronto—Having plans prepared sewage disposal plant and sanitary sewerage system, 25 mi. vitr. tile pipe, 8 in. and up, for York Twp. $500,000. R. C. Wynne-Roberts, 88 Church St., engr.

BIDS DESIRED

Mass., Springfield—Apr. 8, at office of City Clerk, 3 vertical shaft electric motor driven centrifugal sewage pumping units, etc. R. P. Marsh, supt. Dept. Streets and

Sewers (Continued)

Eng. Metcalf & Eddy, 14 Beacon St., Boston, consult. engrs.; adv. E. N.-R. Mar. 13.

N. Y., Brooklyn—Mar. 19, by E. Riegelmann, boro pres., Boro Hall, sewers in Rutland Rd., 20th, New York, Riverdale, 7th, 12th, Debevoise, Albany and 4th Aves., 53rd, East 95th, East 96th, Winthrop, West 9th, Montgomery, Beadel, Frost and 82nd Sts.; temporary sewer in Bedford Ave. between Aves. K and L, also Bedford Ave. between Aves. L and M; storm water and sanitary sewer in West 9th St. and Quentin Rd.

N. Y., St. George — Mar. 19, by J. A. Lynch, pres. Richmond Boro, Boro Hall, temporary sewers in Price St. and Clove Rd.

N. J., Trenton—Mar. 25, by Mercer Co. storm drain in Robbinsville-Yardville Rd. $50,000. H. F. Harris, Court House engrs.

Pa., Pottstown—Apr. 5, at office of Secretary Boro. Council, vitr. or concrete sanitary sewers. Gannett, Seelye & Fleming, Engineers, Inc., 1 North Market Sq., Harrisburg, engrs.; adv. E. N.-R. Mar. 13.

D. C., Wash.—Mar. 21, by Dist. Comrs., Room 509 District Bldg., 3,488 lin. ft. sewers; adv. E. N.-R. Mar. 13.

N. C., Charlotte—Mar. 18, by Bd. Comrs. sewers in various streets. J. Firth, city engr.; adv. E. N.-R. Mar. 13.

Fla., Miami Beach—Mar. 21, by City Council, City Hall, sanitary and storm sewers. C. W. Tomlinson, clk.; adv. E. N.-R. Mar. 13.

O., Cleveland—Mar. 19, by Cuyahoga Co., 23,000 ft. 8- to 42-in. vitr. clay and segmental block sewers in Biddulph Rd. Impvt. 50. R. F. MacDowell, Court House, engr.

O., Columbus—See "Streets and Roads."

O., Columbus—Mar. 18, by Bd. Comrs. Franklin Co. 9,000 ft. 8 and 10 in. vitr. sewers in Sewer Dist. Clinton 2, Sharon Heights area, Contr. 39, $20,000; 3,715 ft. 8- to 12-in. vitr. sewers in Sewer Dist. Clinton 2, Chaseland Area, Contr. 33, $28,000.

Ill., Harvey — Mar. 17, by Bd. Local Impvt., 36,000 ft. 10- to 18-in. sewer pipe, laid, 129 manholes, 176 brick catch basins, etc., Dist. Sewers 168, 169 and 170. J. A. Alten, secy.

Ill., Madison—Mar. 20, at Village Hall, North Side Sewerage System, 1,530 ft. 15-in. and 3,950 ft. 12-in. sewer. 950 ft. 12-in. and 1,250 ft 8-in. connecting pipe, etc. Sheppard & Morgan, Edwardsville, engrs.

Mo., Palmyra—See "Waterworks."

Okla., Oilton—Mar. 25, by C. Patchin, city clk., 2 mi. sanitary sewers in Lateral Dist. 2, incl. 14,700 lin. ft. 6- to 10-in. vitr. clay pipe. $27,500. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

Ont., London—See "Streets and Roads."

BIDS RECEIVED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Mar. 4, sewers in Fisk Ave., from Duit Inc., (a) $359,793 (b) $339,783; Westside and Atlantic Aves., from E. Muccinni, $2,434 and $3,028 respectively; Cuthbert Pl. and Metropolitan Ave., from Green Contg. Co., 734 Vernon Ave., Astoria, $2,461 and $5,389; Queens and Northern Blvds., from Peace Bros., Inc., 57 North Laurence St., Flushing, $900 and $1,145 respectively; Woodward Ave., from J. J. O'Brien, Jr., William St., Jamaica, $729; 126th St., from P. J. Greenhoff Eng. Co., $1,636. Noted Feb. 28.

N. Y., Syracuse—Intercepting Sewer Bd. Mar. 3, screens and cleaning equipment, from Roberts Filter Co., 6th and Columbia Sts., Darby, Pa., $19,600; 4 pumps in pumping station, from Hayton Pump & Blower Co., 575 2nd Ave., Appleton, Wis., $18,516; electric wiring from B. J. Cavanaugh 1220 Wadsworth St., $4,927; transformer station, from Mondo Constr. Co., City Bank Bldg., $2,859. Noted Feb. 14.

Calif., Los Angeles — See "Streets and Roads."

CONTRACTS AWARDED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in Cooper Ave. and Market St., to Kennedy & Smith, Inc., 93 Amity St., Flushing, $10,030 and $8,913 respectively; in 85th St., to D. A. Gross, $1,976; in 101st St., to P. J. Greenhoff Eng. Co., $2,345; in 25th St., to Merritt-Chapman & Scott Corp., 17 Battery Pl., New York, $121,971. Noted Feb. 28.

Md., Baltimore—Bd. Awards, 4,000 lin. ft. 24-in., 1,000 ft. 27-in., 3,000 lin.ft. 30-in., 2,000 ft. 33-in., 2,500 ft. 36-in., 2,500 ft. 42-in., 4,000 ft. 48-in. and 2,700 ft. 54-in. rein.-con. pipe, to Lock Joint Pipe Co., 2556 Wilkens Ave., $69,410.

N. C., Charlotte—For 3¼ mi. sewer line from present septic tank to new tank, to J. B. McCrary & Co., Citizens & Savings Bank Bldg., Atlanta, Ga., $152,000; septic tank, to A. H. Guion, Gastonia, $98,200. Noted Feb. 21.

O., Ashtabula—For 3,500 ft. 24 x 42 in. concrete outfall submerged pipe and river crossing, to Amer. Constr. Co., Marion Bldg., $207,162. Noted Mar. 6.

O., Akron—Sewer in West Market St., to L. Crane, Akron, $36,806. Engrs. est. $40,000.

Wis., White Fish Bay—Sewers and water mains in various streets, to F. E. Kaminski, Berlin, 5,929 ft. 8 in. vitr. pipe sanitary sewer $2.40 to $2.95 per ft., 864 ft. 10 in. vitr. storm sewer $2.72 and $2.95; 2,152 ft. 6 in. c.i. water mains $2.65 to $2.95.

Kan., Arkansas City—For 4.2 mi. sewers, incl. 6,015 ft. 8-in. vitr. pipe, manholes, flushtanks, etc., in Dists. 4 and 5, also 3 mi. mains and laterals, flush tank, etc., Dist. 7, to L. A. Galleciez, Arkansas City, $22,926. Noted Feb. 7.

Bridges

PROPOSED WORK

Connecticut—See "Streets and Roads."

New Jersey—State Hy. Dept., Trenton, plans steel and concrete bridges on Route 7, Asbury Park to Freehold, Monmouth Co. $124,000. J. L. Vogel, Broad St., Newark, engr.

Fla., Juniper — Palm Beach Co. (West Palm Beach), having plans prepared 450 ft. bridge over Loxahatchee River, near here. $50,000. C. H. Holstlaw, West Palm Beach, engr.

Tenn., Springfield—Dept. Hys. & Pub. Wks., Nashville, soon takes bids 160 ft. concrete bridge, four 40 ft. spans, over Sulphur Fork Creek, Robinson Co., near here. $25,000. Noted Aug. 31.

O., Bettsville — State and Seneca Co. (Tiffin) plans concrete bridge to replace present wooden bridge over Wolf Creek on Lima-Sandusky Rd., here. $44,000.

O., Cleveland—Election Apr. 29, $10,000,000 bonds concrete substructure, steel and concrete superstructure for bridge over Cuyahoga River. R. Hoffman, city engr.

O., Columbus—Making plans viaduct over several railroad tracks connecting 3rd and Summit Sts. $1,250,000. W. H. Simpson, city engr.

Kan., Abilene—Dickson Co. plans 160 ft. rainbow arch span. To exceed $25,000. Kansas Eng. Co., 1233 Western Ave., Topeka, engrs.

Tex., Belleville—See "Streets and Roads."

Tex., Leakey—See "Streets and Roads."

Tex., Rock Springs—See "Streets and Roads."

Kan., Iola—Allen Co. plans 140 ft. archt. ¼ mi. from Humbolt, Federal Aid Project 168, Sect. B. A. R. Stroup, co. engr.

California—See "Streets and Roads."

BIDS DESIRED

N. J., Rochelle Park—Mar. 31, by State Hy. Dept., Trenton, concrete encased I-beam bridge incl. removing existing bridge over Saddle River, Route 10, M. P. 2.9, here, A. L. Grover, secy.; adv. E. N.-R. Mar. 13. Former bids rejected. Noted Dec. 13.

Pennsylvania — Apr. 1, by State Hy. Dept., Harrisburg, erecting 3 bridges; adv. E. N.-R. Mar. 13.

West Virginia—Apr. 8, by State Road Comn., Charleston, bridges in Mason, McDowell, Wayne, Marshall, Ohio, Wetzel Wood, Gilmer, Harrison, Lewis Marion, Webster, Grant, Hampshire and Randolph Counties. E. B. Carlskadon, secy.; adv. E. N.-R. Mar. 13.

North Carolina — See "Streets and Roads."

North Carolina—Mar. 25, by State Hy. Comn., Raleigh, Pee Dee River Bridge between Wadesboro, Anson Co. and Rockingham, Richmond Co. W. L. Craven, bridge engr.; adv. E. N.-R. Mar. 13.

Ga., Columbus—City and Central of Georgia R.R. Co., Macon, taking bids and opens same about Mar. 15, steel viaduct over 13th St. $25,000. C. K. Lawrence, Savannah, ch. engr. of railroad.

Alabama—Apr. 7, by State Hy. Dept., Montgomery, bridge on Abbeville-Houston Co. Rd., Federal Aid Project 129, Sect. B, Henry Co., 126,718 ft. treated timber, 6,900 lin.ft. treated timber piles, 1,089 sq.yd. bituminous surface, cold mix, etc., bridges in Greene Co., State Aid Project S-4, 307,612 ft. treated timber, 13,858 lin.ft. treated timber piles, 10,803 lb. structural steel, 2,760 sq.yd. 1.5 in. bituminous surfacing, cold mix, 14 test piles, 280 cu.yd. Class A concrete, 28,708 lb. steel reinforcing, etc., bridges on Federal Aid Project 136, Clay Co., 1,418 cu.yd. Class A and 124 cu.yd. Class B concrete, 245,992 lb. reinforcing, etc. W. S. Keller, state highway engr.

Tenn., Clarksville—Apr. 1, by Nashville Bridge Co., Nashville, superstructure for steel bridge over Cumberland River, here, adv. E. N.-R. Mar. 13.

O., Youngstown—Mar. 27, by Director Pub. Serv., steel superstructure for Belmont Ave. bridge. S. Young, clk.; adv. E. N.-R. Mar. 13. Noted Dec. 6.

Mich., Port Huron—Mar. 21, by State Hy. Comn., Lansing, one 35 ft. rein.-con. girder Bridge 771001, on State Trunk Line Rd. 27, in East China Twp., also rein.-con. deck girder Bridge 771301, two 75 ft. spans, 20 ft. roadway, over Black River, Grant Twp., St. Clair Co. G. C. Dillman, Lansing, ch. engr.

Illinois—See "Streets and Roads."

S. D., Chamberlain—Apr. 15, by State Hy. Dept., Pierre, 1,472 ft. high truss bridge, concrete piers and abutments, over Missouri River, here, 4,671 cu.yd. concrete, 2,789,350 lb. steel, etc. Noted Feb. 14.

Missouri—Mar. 21, by State Hy. Dept., Jefferson City, one 90 ft. steel truss and four 25 ft. I-beam spans, 2 rein.-con. piers, etc., over Salt Fork Creek, Saline Co., also one 60 ft. steel deck plate girder, two 20 rein.-con. slab, eight 40 ft., one 35 ft. and two 28 ft. rein.-con. deck girder spans, over Salt Creek and tracks of Missouri-Kansas & Texas R.R., Howard Co. B. H. Piepmeier, state highway engr.

Calif., Healdsburg—Supervs. Sonoma Co., (Santa Rosa) receiving bids bridge near here, concrete pile trestle. $25,000. E. A. Peugh, co. surv.

Calif., Sacramento—Apr. 7, by Supervs. Sacramento Co., bridge at Paintersville, incl. 1,267 cu.yd. concrete in piers and abutments, 396 cu.yd. concrete in arches, erecting 500,000 lbs. structural steel (furnished by county), etc.; double leaf Strauss bascule structure with 2 piers and abutments at Steamboat Slough, incl. 398 cu. yd. concrete in piers and abutments, erecting 500,000 lbs. structural steel (furnished by county), etc. C. W. Deterding, Jr., co. engr. Noted May 24.

B. C., Vancouver—Mar. 31, by City Council, reconstructing portion of Connaught Bridge, steel with creosoted timber deck and bitulithic pavement 485.7 tons steel, 300,000 ft. creosoted timber, 2880 yd. 3 in. bitulithic. Design and bid will also be received on rein.-con. $150,000. F. L. Fellowes, city engr. Noted Dec. 27.

BIDS RECEIVED

Florida—State Rd. Dept., Tallahassee, from Higgins Bridge Constr. Co., Vero, Project 36 A, North Relief Canal Bridge, 72 ft. long, $16,322, Project 620, Vero Bridge, 78 ft. long, total $22,439, foregoing in St. Lucie Co.; Project 608, Horse Creek and Otter Creek bridges, Brevard Co., 24 ft. long, 500 cu.yd. Class A concrete $31, 3,500 lin.ft. wood foundation piles $1, 33,000 lb. reinforcing steel $0.06, 15,000 ft. treated structural timber $120, etc., total $24,342. Noted Feb. 14.

Illinois—Dept. Pub. Wks. and Buildings, Div. of Highways, Springfield, Feb. 29, constructing bridges (**1 steel super. on 8-20C, Iroquois, means 1 steel superstructure on Route 8, Sect. 20C, Iroquois Co.**), from Pub. Wks. Constr. Co., Century Bldg., St. Louis, Mo., 1 steel super. on 8-20C, Iroquois, $11,845; from W. H. Shons, Freeport, 1 concrete sub. and 2 concrete approach spans, on 1-38D, Johnson, $29,653, 1 concrete sub. and 2 concrete approach spans on 8-20B, Iroquois, $23,520, 1 concrete sub. and 2 concrete approach spans on 34-7B, Pope, $29,643; from St. Louis Structural Steel Co., Bank of Commerce Bldg., St. Louis, Mo., 2 steel supers. on 1-38E, Johnson, $13,906, 1 steel super. on 9-25C, Hancock Co., $21,134, 1 steel super. on 34-6C, Pope, $12,886, 1 steel super. on 34-7C, Pope, $19,578; from H. O. Olson Constr. Co., Waterloo, Ia., 3 subs. and 2 concrete approach spans on 3-28B, Warren, $46,236, 1 concrete slab on 3-33B, Warren, $4,800, 3 concrete girders on 3-35B Warren, $22,917, 1 steel super. on 5-28C, Jo Daviess, $14,530, 1 concrete girder on 5-29B, Jo Daviess, $25,474, 1 concrete girder on 5-30B, Jo Daviess, $27,177, 2 concrete girders on 5-31B, Jo Daviess, $25,868; from F. E. Marsh & Co., Jefferson, Ia., 1 concrete sub. and 2 approach spans on 5-28B, Jo Daviess, $20,429; from Clinton Bridge & Iron Wks., 101 South 2nd St., Clinton, Ia., 1 steel super. on 3-28C, Warren, $25,790, 1 steel super. on 9-24C, Hancock,

Bridges (Continued)

$7,525; from Stresenreuter Bros., 3020 South Halsted St., Chicago, 1 culvert and 1 plate girder on 46-A2, Cook, $82,959; from G. C. Fairole, Champaign, 1 slab, 1 sub. and 2 approach spans on 9-24B, Hancock, $33,934, 1 concrete girder on 9-37B, McDonough, $12,179; from A. P. Munson, Marion, Ia., 3 concrete slabs and 1 concrete sub. on 9-25B, Hancock, $52,913; from C. P. O'Reilly & Co., Wainwright Bldg., St. Louis, Mo., 1 concrete slab on 9-41B, Fulton, $6,778; from R. A. Cullinam, Freemont, 1 concrete sub. on 9-45B, Peoria, $18,785; from Illinois Steel Bridge Co., Jacksonville, 1 steel super. on 9-45C, Peoria, $7,626; from Zimmerly Bridge Co., Paris, 4 concrete girders, 1 culvert, 3 concrete slabs, 2 subs. for steel bridge and 4 approach spans on 16 and 32, Combination Q. Coles, Moultrie and Shelby, $92,000; from M. C. Marrows, Belleville, 1 concrete sub. and 2 approach spans on 34-6B, Pope, $42,610; from Vincennes Bridge Co., Vincennes, Ind., 2 span steel supers. on 32-2C, Moultrie, $16,118; from Barker & Lively, Oblong, 2 concrete girders on 36-10B, Adams, $12,844; from Whitewater Bridge Co., Whitewater, Wis., 1 concrete girder and 1 concrete slab and girder, on 41-12B, Fulton, $16,398. Noted Feb. 21.

Minn., St. Paul—Ramsey Co., Mar. 3, bridge over Mississippi River, 8 arch spans from 72 to 244 ft. long, total length about 1,086 ft. with 449 ft. approaches, 50-ft. roadway, 2 sidewalks, also paving, etc., between 3rd and Fillmore Sts., from Fegles Constr. Co., 706 1st Ave. N., Minneapolis, $1,936,310 ($1,621,310 if bridge is closed to traffic during construction, higher figures includes temporary bridge for use during construction). Noted Jan. 24.

Nevada—State Hy. Dept., Carson City, concrete and steel overgrade railroad crossing over Central Pacific R.R., Project 22 B, Eureka Co., near Dunphy, from Nelson & Roupke, Fresno, $36,939.

CONTRACTS AWARDED

Pa., Phila.—Dir. Pub. Wks., 216 City Hall, completing bridge at 40th St. over Pennsylvania R.R. tracks, to Mundy Paving & Contg. Co., 226 South Warnock St., $97,745. Noted Mar. 6.

Miss., Bay St. Louis—See "Streets and Roads."

Nevada—State Hy. Dept., Carson City, concrete and steel overgrade railroad crossings over Central Pacific R.R., Project 75, Contr. 99, Elko Co. near Deeth, to Bishop & Brooks, Sacramento, Calif., $32,870, Project 58 B, Cont. 100, Humboldt Co. near Rose Creek, to J. N. Tedford, Fallon, $25,896.

Colorado—State Hy. Dept., Denver, street truss bridge over Rio Grande-Del Norte River, State Project 811, Costilla and Conejos County line, timber floor, to C. A. Switzer & J. T. Dillon, 4571 Wolff St., Denver, $28,117. Noted Mar. 6.

Wyoming—See "Streets and Roads."

Wyoming—State Hy. Comn., Cheyenne, 4 concrete bridges, 26 to 30 ft. long, Buffalo-Sheridan Rd., Johnson Co., to J. F. Turpin, Wheatland, $21,225, engineers est. $25,000; 8 treated timber (timber furnished by state), 19-83 ft. long, Federal Aid Project 155, Moorcroft-Carlisle Rd., Crook Co., to Midland Bridge Constr. Co., 401 Ry. Bldg., Kansas City, Mo., $10,774. Noted Feb. 28.

Calif., Santa Ana—Orange Co., bridge over Santa Ana River, eight 30 ft. and two 31 ft. spans on concrete piles, two 20 ft., three 60 ft. spans, etc., to McKay Eng. Co., Railway Bldg., Los Angeles, $63,131. Noted Mar. 6.

Dams

PROPOSED WORK

Minn., Cannon Falls—See "Unclassified."

Okla., Cushing—See "Waterworks."

Calif., Fall Brook—The Fall Brook Irrigation Co., F. Myers, trustee, plans 800 ft. arched concrete dam, 150 ft. high, on Santa Margarita River, to impound water for irrigation, tapped by 24 in. pipe 800 ft. long. $750,000.

CONTRACTS AWARDED

N. J., Newark—North Jersey Dist. Water Supply Comn. of New Jersey, 20 Clinton St., completion of Wanaque reservoir dam, to Clifford F. MacAvoy Co., 507 Orange St., Newark, $3,318,990. Noted Feb. 14.

Neb., Superior — Southern Nebraska Power Co., subsidiary of United Light & Power Co., Abilene, Kan., timber crib and concrete dam, 380 ft. long, 8 ft. high, across Republican River near here, to Stone & Webster Inc., 147 Milk St., Boston, Mass.

Railways

PROPOSED WORK

Oklahoma—Acme Coal & Coke Co., Stigler, having surveys made 5 mi. 56 lb. track from Stigler to mines. $50,000. Engineer not announced.

Ontario — Temiskaming & Northern Ontario Ry., North Bay, voted $300,000 for completion of James Bay Extension between Mile 45 and 70, incl. track laying and ballasting, concrete and steel bridges and concrete culverts. Work will probably be done by day labor. S. B. Clement, ch. engr.

CONTRACTS AWARDED

Washington—Walla Walla Valley Ry. 5.5 mi. railroad from Milton to Umapine, to H. L. Wilson Co., Jaycox Bldg., Walla Walla, $125,000.

Excavation, Drainage, Irrigation

PROPOSED WORK

New Jersey—State Hy. Dept., Trenton, plans dredging 7 mi. inland waterway channel between Manahawkin and Beach Haven, Ocean Co. $150,000 voted for project.

Kan., Newton—Sand Creek Dr. Dist. making plans clearing Sand Creek Channel. $30,000. Ruckel Eng. Co., Interurban Bldg., Hutchinson, engr.

Mo., Gideon—D. D. 38, New Madrid Co. had surveys made and making plans 43 mi. ditch enlargement for dragline excavators. 2,750,000 cu.yd. excav. $380,000. Morgan Eng. Co., Goodwyn Institute, Memphis, Tenn., engrs.

Ark., Newport—See "Unclassified" under Flood Protection.

Tex., Crockett—Murray & Smith Bros. Plantation had plans prepared levees on Trinity River in Houston and Leon Counties, work will probably be done by day labor. $215,000. Smith Bros., Inc., Sumpter Bldg., Dallas, contracting engrs. (also part owners).

Calif., Fall Brook—See "Dams."

Calif., Fresno—City and Fresno Irrigation Dist. having plans prepared irrigation ditch and outlet. $20,000 and $5,000 respectively. W. Stranahan, city engr.

BIDS DESIRED

N. Y., Buffalo—Apr. 3, at office Dept. Pub. Wks., Municipal Bldg., completing Sub-division "B" of Sect. 2 of Buffalo River and Cazenovia Creek Impvt.; adv. E. N.-R. Mar. 13. Noted Feb. 21.

La., Ville Platte — Mar. 22, by Comrs. Manuel Point Blue D. D., Court House, excavating 160,000 cu.yd. earth. A. Tate, Court House, Ville Platte, consult. engr.

Wis., Green Bay—Mar. 20, by F. B. Desnoyer, secy. Brown Co. Farm Bd., 605 Cherry St., ditching and tiling 4½ mi. in Dist. 4, Scott and Humboldt Twps., incl. 28,300 lin. ft. 6-18 in. drain tile, 3 bulkheads, 67,000 cu.yd. ditching. L. M. Schindler, 721 Clark St., Appleton, engr.

Wis., Lena—Mar. 18, by Pensaukee D.D., T Roque, secy., 74 mi. open ditch work, 1,068,000 cu.yd. average depth 7 ft., 20 mi. tile drain, average depth 5½ ft., also 22 bulkheads, Shawano Co. $200,000. Private plans.

Wis., Milwaukee—Mar. 20, by Dept. Pub. Wks., dredging several rivers, canals and channels as may be ordered by Commissioner of Pub. Wks. during season ending Dec. 1. $45,000. J. Schwada, City Hall, engr.

BIDS RECEIVED

Calif., Long Beach—City, dredging in turning basin, incl. 2,288,000 cu.yd., 40 ft. depth, from United Dredging Co., Central Bldg., Los Angeles $0.1249 per yd.; connecting channel incl. 1,174,000 cu.yd., 40 ft. depth, from San Francisco Bridge Co., Nevada Bank Bldg., San Francisco, $0.1475 yd.; Channel 2, 1,640,000 cu.yd., from F. C. Franks Co., 260 California St., San Francisco, $0.117 yd.; Channel 3, 1,614,000 cu. yd., from Los Angeles Dredging Co., Seaside Park, Long Beach, $0.129. Noted Jan. 24 and Feb. 21.

CONTRACTS AWARDED

Tex., Ennis — Levee Impvt. Dist. 3, levees, etc., on Trinity River, Ellis Co., to Trinity Farm Constr. Co., Ennis, $140,000.

Tex., Leon Junction—See "Industrial Works" under Proposed Work.

Streets and Roads

PROPOSED WORK

New Jersey—State Hy. Dept., Trenton, plans widening White Horse Pike, 13 mi. southward from Camden, from 18 and 20 ft. to 29 ft., Camden and Atlantic Counties, $300,000; constructing 6.5 mi. Route 7, Corliss Ave. to Colts Neck, Monmouth Co., concrete $325,000, also 2.6 mi. Route 9 between Plainfield and Westfield, Union Co., concrete, $210,000; macadamizing 4 mi. road from Burlington southward, Burlington Co., $100,000. W. G. Sloan, state highway engr.

N. J., Atlantic City—Plans asphalt paving various streets. $400,000. L. A. Steinbricker, 3505 Ventnor Ave., city comr.

N. J., Freehold—Monmouth Co. plans concrete paving 2.52 mi. Sect. 2 Farmingdale-Manasquan Rd., also 2.38 mi. Sect. 4 from Allenwood to Manasquan. G. B. Cooper, 60 Broad St., Red Bank, engr.

N. J., Newark—Plans grading, curbing, flagging and sheet asphalt paving 5,300 sq.yd. Clinton Pl. $30,494. J. W. Costello, City Hall, engr.

N. J., Newark—Plans improving 1,200 sq.yd. Conklin Ave., $3,821; sheet asphalt paving 3,510 sq.yd. Aldine St. and Brookdale Ave., $18,340, also 4,000 ft. Osborne Terrace, $18,453; grading, curbing, flagging and sheet asphalt paving 7,740 sq.yd. Tremont Ave., Underwood St., Mulford and Patton Places, $44,794. J. W. Costello, city engr.

N. J., Newark—Plans grading, curbing, flagging and sheet asphalt paving 1,100 ft. Maple Ave. $28,963. J. W. Costello, City Hall, engr.

N. J., Princeton—Boro Council plans asphalt and concrete paving University Pl., Bayard Lane and John St. $55,000. G. M. Brown, 28 Wiggin St., engr.

N. J., Trenton — Plans asphalt paving Logan, Houghton, Pennsylvania and Willow Sts. $77,155. J. E. English, City Hall, engr.

Pa., Pittsburgh—Soon takes bids grading, paving and curbing Norwich Ave. $65,000. F. W. Lyon, city engr.

Pa., Pittsburgh—Soon takes bids grading, paving and curbing Freedom Ave., $47,000. F. W. Lyons, city engr.

W. Va., Fairmont—Paw Paw, Mannington and Lincoln Dists., Marion Co., voted $324,000, $600,000 and $333,200 bonds respectively for roads. F. J. Wilfong, Fairmont, engr. Noted Feb. 7.

North Carolina — State Hy. Dept., Raleigh, plans improving 17.7 mi. Project 166, Duplin Co., $355,284; 9.511 mi. Project 167, Henderson and Buncombe Counties, $310,000. C. M. Upham, highway com.

Ga., Dalton — Plans paving 1.25 mi. streets, asphalt on concrete. C. C. McCainey, city engr.

Fla., Live Oak—Mar. 25, to vote on $85,000 bonds: brick paving, alternate proposals, 5th Ave., Houston, Walkers, Maple and Howard Sts., $26,500; Hamilton, Wilber and Church Sts., $27,000; Helveston Ave., White and Howard Sts., $31,500.

Fla., Pensacola—Escambia Co., election Mar. 24, $35,000 bonds for grading and paving. W. E. Wheat, Pensacola, engr.

Ala., Florence—Election soon $100,000 bonds, paving 78 blocks, incl. completion streets in business section and extension Royal Ave. and Huntsville Rd. B. B. Garner, comr. streets.

Ala., Florence — Plans paving 6.5 mi. streets, various types. $300,000. Bd. Pub. Wks., engrs.

La., Haynesville—Plans to grade and surface with rein.-con., asphaltic concrete or asphalt on concrete, 2,700 ft. 1st St., et. al., 26 ft. average width. $25,000.

Tenn., Nashville — Bd. Pub. Wks. soon takes bids asphalt (rock) and granite block paving 10 streets. W. W. Southgate, city engr.

Kentucky—State Legislature, Frankfort, passed $75,000,000 bond issue, will submit same to people at November election, $50,000,000 to be used for State highway work. J. S. Boggs, state highway engr.

O., Cleveland — Plans widening mains drives in Edgewater Park, $50,000, S. Newman, City Hall, engr.; opening and brick paving Chester Ave., $203,000. R. Hoffman, City Hall, engr.

O., Dayton—Plans paving Linda Vista and Ferndale Aves., rein.-con., asphalt or Kentucky rock asphalt, $52,281; Heaton Ave., rein.-con., $10,825; Harvard Blvd., wood block or asphalt $24,375; East 1st St., brick or brick and asphalt $175,500. J. F. Hale, city engr. Noted Nov. 29.

O., Euclid—Takes bids in spring asphalt paving South Lakeshore Blvd., Cut, Alberton, Donald and Shirley Rds., East Miller Ave., Orr, Hartland, Seabring and Guymoat Drives, East 246th, 228th, 226th, 270th and 211th Sts, to exceed $100,000; sidewalks

Streets and Roads (Continued)

on St. Clair Ave., East 221st St., Chardon, Babbitt, Upsom, Johnson and Hadden Rds., to exceed $25,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

O., Warren—Takes bids in spring paving ⅔ mi. Kinsman St., 40 ft., $50,000-$60,000; paving ½ mi. High St., also widening same 12½ ft. on each side, total width 65 ft.

Ind., Evansville—Bd. Pub. Wks. soon takes bids paving 6 mi. streets, mostly asphalt. J. D. Saunders, city engr.

Mich., Detroit—Having plans prepared grading and paving with 3½ in. sheet asphalt on 8 in. concrete, 2,800 sq.yd. Longfellow Ave., $15,670, and 7,000 sq.yd. Winfield Ave., $38,500. G. Jerome, city engr.

Wisconsin—State Hy. Comn., Milwaukee, making plans concrete surfacing, etc., 2½ mi. Truesdell-Somers Rd., Federal Aid Project 378-A and 1⅔ mi. Somers-Sylvania Rd., Federal Aid Project 378-B, Kenosha Co; 5 to 6 mi. Ripon-Fond du Lac Rd., Federal Aid Project 365, 18 ft., Fond du Lac Co.; 10 mi. Lake Shore Rd., Federal Aid Project 363, 18 ft., Sheboygan Co. Wisconsin Hy. Comn., Stephenson Bldg., Milwaukee, engrs.

Wis., Janesville—Had plans prepared paving, etc. various streets, 160,000 sq.yd. one course rein.-con., 30,000 lin.ft. combined concrete curb and gutter, 40,000 cu.yd. earth excav. C. V. Kerch, City Hall, engr.

Wis., Milwaukee—Plans paving and repaving various streets. $2,500,000. J. Schwada, City Hall, engr.

Wis., North Milwaukee — Plans paving 30,000 sq.yd. various streets, miscellaneous types to be considered. H. C. Webster, M. & M. Bank Bldg., Milwaukee, engr.

Wis., Oconto Falls—Making plans paving 10,000 sq.yd. Main St., vitr. brick, rein.-con. or sheet asphalt. W. F. Reichardt, 109 Main St., Watertown, engr.

Wis., Oshkosh — Winnebago Co. voted $205,000 bonds improving Oshkosh Ripon Rd., 18 ft. concrete, $100,000; Neenah-Mikesville Rd. (also known as Neenah-Winchester Rd.) 18 ft. concrete, $105,000. F. C. Steiner, comr.

Ia., Alden—Plans paving, curbing, guttering, etc., 5 blocks. $25,000. G. F. Bigelow, clk.

Kan., Emporia — Lyons Co. preparing plans brick or concrete surfacing 2.003 mi. Niosha Rapids Spur, 18 ft., Federal Aid Project 224, Sect. A. W. S. Ruggles, Emporia, engr.

Kan., Independence — Montgomery Co. preparing plans bituminous macadam paving 3 mi. Independence-Cherryvale Rd., 18 ft., Federal Aid Project 199, Sect. B. H. K. Hibbard, co. engr.

Kan., Iola — Allen Co. soon takes bids grading and surfacing with one course concrete 2.036 mi. Federal Aid Project 168, Sect. A. A. R. Stroup, co. engr.

Kan., Topeka—Shawnee Co. soon takes bids grading preparatory to hard surfacing 6.497 mi. Sect. C. and 3.933 mi. Sect. D, Federal Aid Project 141, 29.5 ft. A. C. Lagerwall, co. engr.

South Dakota—State Hy. Dept., Pierre, soon lets contract grading 18.5 mi. Federal Aid Project 182, Buffalo-Jerauld Counties. F. D. Hudgins, ch. engr.

Mo., Clayton—St. Louis Co. plans to issue $2,500,000 bonds concrete roads. $132,000 now available for 7 or 8 mi. macadam roads. H. Jablonski, Court House, engr.

Mo., Odessa—Plans 10,000 yd. paving, various types. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, engrs.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, soon takes bids 7,400 sq.yd. concrete sidewalks in various parts of city, $25,206; concrete curbing, guttering and paving 2,210 sq.yd. Arlington Ave., warrenite on concrete, $15,000; paving 825 sq.yd. Theodore Ave., brick on concrete, $5,600, 21,245 sq.yd. Chouteau and Manchester Aves., asphalt on concrete, $61,400. W. W. Horner, city engr.

Arkansas—State Hy. Dept., Little Rock, plans concrete paving 29.57 mi. Project 175, Saline Co., $707,417; 12.83 mi. Project 176, Garland Co., $329,711. R. C. Limerick, highway engr.

Tex., Albany — Shackleford Co. voted $500,000 bonds improving various state highways and county roads. P. K. Clarke, co. engr. Noted Feb. 7.

Tex., Anson—Jones Co. voted $200,000 bonds improving Highway 81-B, Anson Special Rd. Dist., east and west through county, concrete or similar pavement. State to appropriate $200,000. J. F. Lindsey, co. judge. Noted Feb. 14.

Tex., Austin—Travis Co. making plans grading, etc., 3¼ mi. South Burnet Rd., 24 ft. $26,000. O. Leonard, Box 256, co. engr.

Tex., Batesville—Zavala Co. election soon to vote on over $100,000 bonds, improving highway in Precinct 1, from Frio Co. line to La Pryor. N. P. Hunt, co. judge.

Tex., Belleville—Austin Co. making plans grading, gravel surfacing and bridging 9.14 mi. Richmond-Brenham Rd., State Highway 36, 18 ft. $150,000. Plans bituminous topping to cost $30,000. H. Schroder, Belleville, engr.

Tex., Benjamin — Knox Co. defeated $250,000 bonds, improvements in Rd. Dist. 4. N. S. Kilgore, co. judge. Noted Feb. 28.

Tex., Electra—Plans improving 8 blocks. $35,000. Elrod Eng. Co., 3124 Elm St., Dallas, engrs.

Tex., Glen Rose — Somervell Co. soon takes bids grading and gravel surfacing 13.25 mi. State Highway 68, 16 ft. $98,-000. H. J. Cox, co. engr.

Tex., Goose Creek—Making plans paving various streets. $100,000. Nagle, Witt & Rollins, Keystone Bldg., Houston, engrs. Noted Jan. 10.

Tex., La Pryor—Zavalla Co. voted $165,-000 bonds grading and surfacing various highways Rd. Dist. 4. Address J. B. Salmon, comr.

Tex., Leakey—Real Co. takes bids after Apr. 1, grading and bridging 18 mi. Kerrville-Rock Springs Rd., Federal Aid Project 407, 18 ft. $95,000. W. E. Simpson Co., N. B. C. Bldg., San Antonio, engrs. Noted Jan. 17.

Tex., Memphis—Hall Co. soon takes bids grading and surfacing 7.22 mi. State Highway 86 and 18, 24 ft., $47,650. C. L. Hasie, Box 168, engr.

Tex., Nayasota—Had plans prepared paving Holland and 10th Sts., various types incl. bituminous and brick. $35,000. R. H. Brule, city engr.

Tex., Rock Springs—Edwards Co. takes bids after May 1, grading, surfacing with waterbound macadam and bridging 12 mi. State Highway 41. $120,000. W. E. Simpson Co., N. B. C. Bldg., San Antonio, engrs.

Tex., Seguin — Guadalupe Co. election Apr. 3, $1,100,000 bonds highway improvements. J. B. Williams, co. judge.

Tex., Waco — Election soon $100,000 bonds miscellaneous street openings, paving, condemnation and wrecking. V. G. Koch, city engr.

Okla., Cleveland—Having surveys made grading and paving South 3rd St., 7,000 sq.yd. vertical fibre brick, 4,200 lin.ft. curbing, 2,000 cu.yd. earth excav. $60,000. Engineer not selected.

Okla., Chickasha—Election Apr. 4, $1,-000,000 bonds roads and bridges. P. A. Little, Chickasha, engr. Noted Jan. 17.

Okla., Comanche—Soon takes bids 10,000 sq.yd. paving Dist. 1. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Miami—Ottawa Co. plans 2 mi. hard surfaced road. A. J. Lampkin, co. clk.

Okla., Pawhuska—Plans paving various streets in residence section, 31,000 sq.yd. concrete, 21,250 lin.ft. curbing, 8,600 cu.yd. earth excav., 750 cu.yd. rock excav. $165,-000. J. M. Buckley, Pawhuska, engr.

Okla., Sapulpa—Plans grading and paving 9 blocks, South Walnut and East Thompson Sts., 9,600 sq.yd. concrete, 5,150 lin.ft. curbing, 3,000 cu.yd. excav. $28,000. F. E. Lawrence, Sapulpa, engr.

Okla., Stroud — Having surveys made grading and paving 6 blocks Main St., 60 ft. $80,000. Benham Eng. Co., Gumbel Bldg., Kansas City, Mo., engrs.

New Mexico—State Hy. Comn., Santa Fe, plans improving 5.26 mi. Project 137, Roosevelt Co., concrete and caliche, $68,-763; 13.7 mi. Project 140, Lima Co., gravel, $66,369. J. A. French, state highway engr.

California—State Hy. Comn., Sacramento, having plans prepared 7 mi. Skyline Blvd. and 11.3 mi. road from San Mateo to Santa Cruz Co. line south, Santa Cruz Co.; 6.05 mi. Kings Mountain Rd. to La Honda Rd., 7.31 mi. La Honda Rd. to San Mateo-Santa Clara Co. line, and 7 mi. road from South San Francisco to San Mateo, San Mateo Co., over marshes, first unit of Bay Shore Highway, grading hydraulic fill method, also several bridges. R. M. Morton, state highway engr.

Calif., Covina—Had plans prepared improving portion 1st, 2nd, 3rd Sts., etc., 8,192 cu.yd. excav., 553,801 sq.ft. 4 in. asphaltic concrete, 21,405 lin.ft. concrete curb, 71,879 sq.ft. concrete gutter, 7,806 sq.ft. concrete sidewalks, 61,533 sq.yd. oil and rock pavement. F. L. Douglas, city engr.

Calif., Napa—Had plans prepared improving 1st St., 65,106 sq.ft. 5 in. concrete, etc. H. A. Harrold, city engr.

Calif., Oakland—City and Alameda Co. plans road across Bay Farm Island. W. W. Harmon, city engr. G. A. Posey, co. surv.

Calif., Orange—Soon takes bids 4 mi. of 5- to 7-in. concrete paving. C. C. Bonebrake, city engr.

Calif., Pomona—Election Apr. 11, $400,-000 bonds for street paving. F. C. Troehde, city engr.

Ontario—Dept. Highways, Toronto, plans 5½ mi. concrete pavement on main road between Kitchener and Petersburg, Waterloo Co. $300,000.

Ontario—Provincial Hy. Dept., Parliament Bldg., Toronto, plans to resurface 5.9 mi. tarvia macadam roads from Beamsville to Park Rd. and Winona to Grimsby, $30,000. G. Hogarth, ch. engr.

Ont., Hamilton—Having plans prepared concrete pavements on Kenilworth and Sanford Ave. $200,000. W. L. McFaul, city engr.

Ont., Hamilton—Plans 17,000 sq.yd. asphalt pavements on Cannon and Sanford Aves. $80,085. W. L. McFaul, city engr.

Ont., London—Plans cement roadway on Wellington St., will probably be done by day labor, under supervision of W. A. Near, city engr. $40,000.

Ont., Mimico—Plans 10,000 sq.yd. concrete, asphalt or bitulithic pavement, concrete sidewalks. $50,000. C. J. Telfer, Town Hall, engr.

Ont., Toronto—Plans to extend Dundas St. 2 mi. from Broadview Ave. to Kingston Rd., will include pavements, sidewalks, grading and sewers. $650,000. R. C. Harris, city engr.

Ont., Toronto—Plans grading Norway Ave. $175,000. R. C. Harris, city engr.

Ont., Toronto—Plans asphaltic concrete pavement on Benson Ave. $11,290, asphaltic concrete and brick block on Golfview Ave. $19,094, bitulithic on Ossington St. $3,032, Cataract St. $2,891, Stacey St. $12,791, St. Clair Ave. E. $29,612, Wilburton Rd. $14,-071, Kilbarry Rd. $13,318, asphalt on Pine Ave. $20,343, Heath St. $2,622 and Glebeholme Blvd. $12,838, all foregoing on concrete base with concrete curbs and gutters; concrete sidewalks on Lola Rd., Edith Dr., King St. W., Dawesville, Carthness, Coxwell and Moberly Aves. $21,141, concrete curbs on Pine and Benson Aves. $1,319, grading on Glebeholme Blvd., Lane Patterson, Cannon and Ossington Ave. $33,091. R. C. Harris, city engr.

BIDS DESIRED

Connecticut—Mar. 17, at office of State Hy. Comn., Hartford, paving highways in East Haddem and Salem, Westbrook and Old Saybrook, Old Lyme, East Lyme, Waterford, Groton, Montville, Stafford and Union, 124,063 ft. waterbound macadam, 66,749 ft. rein.-con., also abutments and steel superstructure for 120-ft. through truss span over Patchogue River in Westbrook. J. A. MacDonald, state highway comr.

N. Y., Buffalo—Mar. 18, by Commissioner Pub. Wks., repairing asphalt pavements. To exceed $30,000. C. E. P. Babcock, Municipal Bldg., engr.

N. Y., Long Island City—Mar. 17, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, curbing, laying sidewalks, etc., on Buchman Ave., 42nd and 82nd Sts.; curbing and laying sidewalks on Kissena Blvd.; grading Winslow Pl., etc.; grading gutter space in Winslow Ave.; paving Hayes and 82nd St.; grading sidewalk space and laying sidewalks, etc., on 98th Ave.

New Jersey—Mar. 26, at office State Hy. Dept., Trenton, rein.-con. paving, etc., 36,-586 sq.yd. Route 9, Sect. 13, White House to Somerset Co. line, Hunterdon Co.; 24,-394 sq.yd. Route 9, Sect. 14, Somerset Co. line to North Branch, Somerset Co.; 51,190 sq.yd. Route 10, Sect. 6, Hackensack to Paterson, Bergen Co. A. L. Grover, secy. Noted Jan. 24 and Feb. 28.

Pennsylvania—Mar. 31, by State Hy. Dept., Harrisburg, constructing 48 mi. road; adv. E. N.-R. Mar. 13.

Pennsylvania — Apr. 1, by State Hy. Dept., Harrisburg, constructing 45 mi. roads; adv. E. N.-R. Mar. 13.

Pa., Harrisburg — Mar. 26, by H. A. Sherk, supt. Streets & Pub. Impvts., Room 408, Dauphin Bldg., 65,000 sq.yd. paving; adv. E. N.-R. Mar. 13.

Maryland — Mar. 26, by State Rds. Comn., Baltimore, sheet asphalt paving 0.67 mi. highway in Anne Arundel Co., Contr. AB-10-D. J. N. Mackall, chn.; adv. E. N.-R. Mar. 13.

W. Va., Fairmont—Mar. 26, by Marion Co., grading, paving, etc., 2.25 mi. Morgantown-Bridgeport Turnpike Rd., Winfield Dist. F. J. Wilfong, co. engr.

W. Va., Huntington—Mar. 21, by Bd. Comrs., grading, curbing and paving Burlington and Bradley Rds., Kanawha

Streets and Roads (Continued)

and James River Turnpikes, Washington Dr., Pogue, 24½, 37th, Locust, Vernon, Court, Vinson and Wayne Sts. A. B. Maupin, city engr.

W. Va., Lewisburg—Apr. 1, by Greenbrier Co., grading 4.5 mi. Frankfort-Unus Rd. H. L. Handley, co. engr.; adv. E. N.-R. Feb. 13.

North Carolina—Mar. 25, by State Hy. Comn., Raleigh, grading, hard surfacing with concrete or asphaltic Projects 201-B 330, 421-B, 537-B, 686-B and 981; sand asphalt or macadam on Projects 447 and 568; top-soiling, sand clay or graveling Projects 102, 156, 162, 720 and 721; adv. E. N.-R. Mar. 13.

N. C., Benson—Apr. 2, by Mayor, paving 40,000 sq.yd. various streets, asphalt on concrete, combined concrete curb and gutter, granite curbs with concrete gutter, etc. W. C. Olsen, Raleigh, engr.

N. C., Charlotte—Mar. 18, by Bd. Comrs., paving streets, various types. J. Firth, city engr.; adv. E. N.-R. Mar. 13.

Fla., Jacksonville—Mar. 26, by E. P. Owen, city secy., Room 12, City Hall, 3,210 sq.yd. of concrete sidewalks and 37,648 sq.yd. tile sidewalks. W. E. Sheddan, Engineers Bldg., engr.

Fla., Miami Beach—Mar. 21, by City Council, City Hall, improving Lincoln Rd. and Meridian Ave.; Collins Ave., Miami Beach Dr., 29th, 2nd, 22nd, 21st, 3rd, 4th, 6th, 7th, 8th, 9th, 10th, 12th, 13th and 14th Sts., etc.; alleys in Blocks 51 and 52, Ocean Dr. and Collins Ave. C. W. Tomlinson, clk.; adv. E. N.-R. Mar. 13.

Alabama—Apr 7, by State Hy. Dept., Montgomery, constructing 14.293 mi. Ashland-Heflin Rd., Clay Co., 64.79 acres clearing, 93,666 cu.yd. earth and 46,146 cu.yd. rock excav., 27,847 sta.yd. overhaul, 478.64 cu.yd. Class A and 184.27 cu.yd. Class B concrete, 47,314 lb. reinforcing; 20.921 mi. Abbeville-Houston Co. line Rd., Henry Co., 26.755 acres clearing, 144,352 cu.yd. excav., 67,707 sta.yd. overhaul, 603.48 cu.yd. Class A and 224.43 cu.yd. Class B concrete, 61,267 lb. reinforcing, 4,443 cu.yd. gravel surfacing within 1 mile, 600 cu.yd. gravel ½ mi. additional haul, 68,000 cu.yd. sand clay surfacing within 1 mi. haul; 17.768 mi. Eutaw-Gainesville Rd., Green Co. Proposal (1) 96.44 acres clearing, 278,768 cu.yd. excav., 112,312 sta.yd. overhaul, 105.12 cu.yd. Class B and 723.34 cu.yd. Class A concrete, 75,731 lb. reinforcing, Proposal (2) surfacing, alternate (1): 150,000 half-mile units overhaul on 21,250 cu.yd. imported gravel, 189,750 half-mile units overhaul on 17,955 cu.yd. screened gravel, 73,450 half-mile units overhaul on 15,561 cu.yd. sand clay, alternate (2): 185,600 sq.yd. rawhide surfacing. W. S. Keller, state highway engineer.

Miss., Belzoni—Mar. 27, by Mayor and Bd. Aldermen, street improvements, Projects A, B, C and D. F. M. Pepper, city clk.; adv. E. N.-R. Mar. 13.

Miss., Port Gibson—Apr. 10, at Court House Claiborne Co., grading, gravel surfacing, etc., 6.681 mi. Project 153-B and 168, 12 ft. $88,815. H. C. Dietzer, state highway engr.

Louisiana—Mar. 20, by State Hy. Dept., Reymond Bldg., Baton Rouge, 8.35 mi. State Project 366 C, and 7.41 mi. State Project 366 B, Winnfield-Chestnut Highway, Winn Parish, also furnishing gravel for surfacing projects. J. M. Fourmy, ch. engr.

La., Abbeville—Apr. 2, by P. L. Blanc, secy. Varmillion Parish, Police Jury, grading and gravel surfacing 3.5 mi. in Rd. Dist. 2, also furnishing 11,200 cu.yd. washed gravel and sand clay gravel. $25,000.

Tenn., Nashville—Mar. 18, by Bd. Pub. Wks., granite block paving Meridian St. viaduct and adjacent approaches. $25.000 W. W. Southgate, city engr. Noted Dec. 13.

O., Cincinnati—Mar. 18, by Director Pub. Serv., City Hall, granite curbing and granite block paving 4,500 sq.yd. Baymiller St. $83,000. F. King, City Hall, engr.

O., Cleveland—Mar. 19, grading, curbing and paving Clearaire Rd. N. E., Ferris Ave. S. E., Harvard Ave. S. E., Nathaniel Rd. N. E., Natchez Ave. S. W., Revere Ave. S. E., East 112th, 119th, 176th and 140th Sts. R. Hoffman, City Hall, engr.

O., Cleveland—Mar. 19, by Bd. Comrs. Cuyahoga Co., grading, guttering and concrete paving 10,406 sq.yd. Highland Rd. 3. $48,200. F. Lander, Court House, engr.

O., Columbus—Mar. 18, by R. H. Simpson, city engr., grading, laying necessary water services and sewer connections and paving 1,858 ft. Huron Ave., 20 ft., brick $24,272, asphalt $21,415; 912 ft. alley west of Wager St., and alleys north of 14th St. and Linwood Ave., 20 ft., brick $7,499 concrete $6,643; 5,305 ft. Roys Ave., Guernsey, Olive and Palmetto Sts., 24 ft., brick $105,792, asphalt $94,362.

O., Dayton—Mar. 17, by Director Pub. Serv. paving 8 alleys with rein.-con., also Delaware, Buchanan, Herman, Pursell and Riverview Aves., brick, asphalt, Kentucky rock asphalt or wood block. $200,000. J. F. Hale, city engr.

Indiana—Mar 20, by State Hy. Comn., Indianapolis, 5.84 mi. bituminous macadam and 15.59 mi. surface treatment on roads in Wayne Co. J. D. Williams, dir.

Ind., Richmond — March 22, by Comrs. Wayne Co., grading and concrete paving 1.5 mi. William H. Haberkern Rd., Wayne Twp. $44,162. H. E. Thornburg, aud.

Michigan—Mar. 24, by State Hy. Dept., Lansing, surfacing 2,628 mi. Federal Aid Project 101, Sect. C, Van Buren Co., 31,410 sq.yd. concrete or bituminous concrete. G. C. Dillman, ch. engr.

Michigan—Mar. 25, by State Hy. Dept., Lansing, grading and surfacing 3.041 mi. State Trunk Line Rd. 13-44, Sects. A and B, St. Joseph Co., 32,070 sq.yd. concrete or bituminous concrete. G. C. Dillman, ch. engr. Noted Jan. 17.

Michigan—Mar. 27, by State Hy. Dept., Lansing, surfacing 4.206 mi. Federal Aid Rd. 63, Sect. B, Bay Co., 44,602 sq.yd. concrete or bituminous concrete. G. C. Dillman, ch. engr. Noted Jan. 17.

Mich., Escanaba—Mar. 31, at office City Manager, grading and paving South 7th, 9th and 11th Sts., 3rd Ave. N. and 14th St. N.; adv. E. N.-R. Mar. 13.

Illinois—Mar. 21, by Dept. Pub. Wks. and Buildings, Div. of Highways, Springfield, paving 161.35 mi. 18-ft. (incl. 12.81 mi. 9- and 18-ft. and 0.86 mi. 18- and 20-ft.) with portland cement concrete, alternate bids on bituminous concrete and brick; grading 3.31 mi. road, 50,700 cu.yd.; 8 bridges, involving 1,174 cu.yd. concrete. F. T. Sheets, supt. highways.

Ill., Mulkeytown — Mar. 20, by Tyron Twp. Bd., grading and concrete paving 3.5 mi. road, 18 ft. $109,000. C. B. Mautz, 1st Natl. Bank Bldg., Benton, engr.

Wis., White Fish Bay—Mar. 17, by W. Volkmann, village clk., concrete paving 25,000 sq.yd. various streets. $60,000. T. F. Buckley, Village Hall, engr. Noted Feb. 7.

Wis., Marshfield — Mar. 26 (extended date), by Bd. Pub. Wks., concrete paving, etc., 5 streets. Noted Feb. 21.

Kan., Troy—Apr. 8, by Clerk Doniphan Co., grading 8.012 mi. Federal Aid Project 169, Sect. A, 28 ft.; 7.292 mi. Sect. C, 28 ft.; grading and surfacing 1.004 mi. Sect. E, 18- to 60-ft. H. L. Parker, co. engr. Noted Feb. 28.

S. D., Canton—Apr. 3, 20,000 sq.yd. pavement. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, Ia., engrs.

Missouri—Mar. 21, by State Hy. Dept., Jefferson City, concrete paving 73,598 cu. yd. roads in Greene and Nodaway Counties, also 51,640 sq.yd. road in Nodaway Co.; paving 40,419 sq.yd. road in Gentry Co., penetration macadam; grading 30,402 cu.yd. graveling and 2,281 sq.yd. concrete surfacing in Stoddard Co.; grading and graveling 15,589 cu.yd. road in Pulaski Co., also 174,314 sq.yd. roads in St. Genevieve, Jefferson, Miller, Maries, Stoddard, Sullivan, Lincoln and Scott Counties; grading 10.54 mi. roads, 30 ft. in Benton, Worth and Montgomery Counties, also 17.446 mi. roads, 26 ft. in McDonald, Wright and Pulaski Counties. B. H. Piepmeier, state highway engr. Noted Feb. 28.

Tex., Greenville—Mar. 25, by O. P. McWhirter, judge Hunt Co., placing gravel sub-base, waterbound macadam base and inverted penetration top on 5.3 mi. State Highway 39, State Aid Project 379, 15 ft., $101,375; constructing stone base on 12 mi. Wolfe City Rd., 15 ft., $50,000; surfacing with gravel and constructing 7,000 yd. rein.-con. overflow paving on 15 mi. Quinlan Rd., 15 ft., $65,000. G. R. Burtner, co. engr. Noted Feb. 7 and 14.

Tex., Liberty—Liberty Co. taking bids graveling 4.16 mi. road from Cleveland to San Jacinto Co. line, Federal Aid Project 426, 12 ft. $41,500. W. C. Youngs, Dayton, engr.

Calif., San Diego—Mar. 24, by A. H. Wright, city clk., improving 22nd St. incl. 212,811 sq.ft. 1½ in. asphaltic concrete on 2½ in bituminous, etc. F. A. Rhodes, city engr. Noted Feb. 7.

Ontario—Apr. 2, by S. L. Squire, deputy minister, Dept. Provincial Highways, Toronto, 0.34 mi. asphalt pavement Contr. 1083, 2.4 mi. washed gravel concrete pavement, Contr. 1085, 1 mi. bituminous penetration pavement, Contr. 1088, 5.21 mi. macadam roadway, Contr. 1089, 41.8 mi. surface treatment of macadam roads, Contracts 1096 to 1100 inclusive, 3.3 mi. grading Contr. 1102, approaches to Becketts Bridge, Contr. 1108, bridges and culverts, Contrs. 1110, 1113, and 1116.

Ont., London—Mar.18, by W. A. Near, city engr., asphalt paving, road oil, crushed stone, sewer and land tile. $200,000.

BIDS RECEIVED

New Hampshire—State Hy. Comn., Concord, Mar. 7, highway improvement in Concord, 28560 sq.yd. modified asphalt, etc., from Amos D. Bridges Sons, Inc., Hazardville, Conn., $0.79 per sq.yd., etc., total $33,018. Noted Mar. 6.

N. Y., Buffalo—Dept. Pub. Wks., Mar. 4, paving with (a) asphalt (b) concrete (1) Shirley Ave. (2) Delaware Ave. from Virginia to Allen Sts. (3) Delaware Ave from Mohawk to Virginia Sts. (4) Ellicott St. (5) Franklin St. (6) Pearl St., from H. P. Burgard Co., Fillmore Ave. (a1) $54,000; Rock Asphalt & Constr. Co., Inc., Morgan Bldg., (a2) $20,019 (b3) $59,960 (a4) $78,164 (a5) $17,065 (b5) $20,991 (a6) $48,883 (b6) $25,482. Noted Feb. 28.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., Mar. 10, repairing asphalt pavement in railroad area where directed, from Cleveland Trinidad Paving Co., Flushing, $66,800.

N. J., Freehold—Monmouth Co., Mar. 5, concrete paving 2.15 mi. Palmer Ave., Keansburg, from Jannarone Constr. Co., 245 Passaic Ave., Belleville, $115,217. Noted Feb. 21.

Pennsylvania—State Hy. Dept., Harrisburg, Mar. 6, (A. means Application and R. means Route) 22,416 ft. A. 2779, Mercer Co., from Meredith, McVaugh & Webb, 1409 West 10th St., Erie, $161,456; 10,756 ft. R. 50 and A. 2639, Somerset Co., from C. R. McIntyre, Fairchance, $100,206; 4,708 ft. R. 59, Elk Co., from G. Metzger, Jr., 12 4th St., Emporium, $54,787; 9,510 ft. R. 59, Clearfield Co., from Milliron Constr. Co., Inc., 224 Deposit Natl. Bank Bldg., DuBois, $98,897; 3,304 ft. R. 120, Westmoreland Co., from J. S. Rinehart, East Liverpool, O., $61,910; 2,328 ft. R. 223, Indiana Co., from Milligan & Ringler, Blairsville, $50,444; 29,461 ft. R. 102, Potter and Tioga Counties, from D. Schentag, Inc., 68 Ulster Ave., Saugerties, N. Y., $318,422; 17,079 ft. R. 268, Greene Co., from Fort Pitt Constr. Co., 207-208 Martin Bldg., Pittsburgh, $246,044; 5,396 ft. R. 116, Fayette Co., from Swaney & Gilmore, R. F. D. 5, Uniontown, $78,123; 29,877 ft. R. 231, A. 2708, Adams Co., from Souder Constr. Co., 349 Woolworth Bldg., Lancaster, $230,020; 28,212 ft. R. 212, Tioga Co., from J. C. Devine Co., Alliance, O., $314,799; 3,381 ft. A. 2712, Centre Co., from J. M. Hutchison, Altoona, $58,356; 9,731 ft. R. 181, A. 1058, Allegheny Co., from Donora Constr. Co., Donora, $104,899; 19,303 ft. R. 62, Cambria Co., from Lord Constr. Co., Hastings, $172,780; 17,164 ft. A. 2092, Venango Co., from R. V. Baldwin, 1361 4th Ave., Coraopolis, $151,496; 9,609 ft. R. 234, A. 2043, Clearfield Co., from Avery & Bailey, Philipsburg, $79,820; 31,237 ft. R. 223, Indiana Co., from Rood Constr. Co., Lyric Theater Bldg., Butler, $330,151; opened Mar. 7, 14,062 ft. R. 50 and A. 2731, Somerset Co., from M. F. McCabe & Co., 309 Deveny Bldg., Fairmount W. Va., $170,891; 12,925 ft. R. 163, Carbon Co., from Neely Bros., Oxford Ave. and Wakeling St., Phila., $121,299; 19,202 ft. R. 62, Cambria Co., from McClure & Bingner Co., Inc., 425 Swank Bldg., Johnstown, $196,921; 14,466 ft. R. 183 and A. 2118, Columbia Co., from A. Christiano, 301-303 Shamokin St., Shamokin, $135,564; 16,770 ft. R. 113, Fayette Co., from Colonial Constr. Co., Wabash Bldg., Pittsburgh, $169,288; 4,178 ft. R. 268, Washington Co., from Williamson Constr. Co., Inc., Turtle Creek, $58,105; 10,772 ft. R. 47, Blair Co., from A. R. Cooper, Idamar, $110,955; 13,885 ft. R. 271, Erie Co., from F. W. Knickenberg, 702 Michigan Ave., Buffalo, N. Y., $147,580; 27,751 ft. R. 314 and 223, Indiana Co., from L. H. Hileman Constr. Co., 217-218 First Natl. Bank Bldg., New Kensington, $357,436; 5,885 ft. R. 355, A. 1036, Lycoming Co., from G. I. Thompson Co., Clearfield, $58,100; 32,391 ft. R. 76, Beaver Co., from D. W. Challis & Sons, Inc., 420 Centennial Ave., Sewickley, $376,315; 1,525 ft. A. 1775, Clearfield Co., from M. S. McMahon, Brookville, $21,906; 12,375 ft. A. 1623, Lawrence Co., from B. Freshwater & Sons, Chester, W. Va., $116,274; 17,731 ft. A. 2734, Monroe Co., from W. A. Palmer, 431 East North St., Bethlehem, $137,154; 11,161 ft. R. 174, Susquehanna Co., from R. D. Richardson Constr. Co., 828 Connell Bldg., Scranton, $36,555; 38,903 ft. R. 192, Tioga Co., from D. Schoentag, Inc., 68 Ulster St., Saugerties, N. Y., $408,107; 5,781 ft. R. 231, A. 2707, Adams Co., from Frey Constr. Co., Inc., 50 West Phila., St., York, $42,029. Noted Feb. 21.

Streets and Roads (Continued)

Md., Towson—Comrs. Baltimore Co., Feb. 28, concrete or macadam paving 7,390 sq. yd. Group 2, 3rd Ave. to Hammonds Ferry Rd., from G. Long Constr. Co., 1st and 12th Sts., Baltimore, $19,992; 8,000 sq.yd. Group 3, Carroll Rd. to intersection of Sparks Rd., from Huse & Knight, 2800 Montebello St., Baltimore, $24,960.

Alabama—State Hy. Dept., Montgomery, grading and surfacing 5.399 mi. road, 26 ft., Project 119, Sects. A and C, Lawrence Co., 12,800 sq.yd. rock base, 50 692 sq.yd. bituminous macadam, from A McQuary, Albany, $114,592. Noted Feb. 14.

Louisiana — State Hy. Comn., Baton Rouge, 13 mi. highway, St. Landry Parish (1) 7 3 mi. Opelousas-Kinder Highway (2) 2.6 Eunice Highway (3) 3.1 mi. Opelousas-Kinder Highway, from Cody Constr. Co., Crowley (1) $30,347 (2) $12,369 (3) $17,724; Maggio & Attelo, Baton Rouge, (3) $15,980. Noted Feb. 14.

O., Cleveland—For (a) 150,000 sq.ft. stone and (b) 90,000 sq.ft. cement sidewalks in (1) Southerly Sidewalk Dist., (a) 136,000 sq.ft. stone and (b) 110,000 sq ft. cement sidewalks in (2) Northerly Sidewalk Dist., from Ohio Quarries Co., Union Trust Bldg., (a1) $40,904 (a2) $31,289; Stroman & Kidder, The Arcade (b1) $22,907; P. H. De Santis, 8019 Hough Ave. (b2) $31,035.

O., Cleveland—For (a) 150,000 sq.ft. stone (b) 130,000 sq.ft. cement walks in (1) Westerly Sidewalk Dist., also (a) 135,000 sq.ft. stone (b) 145,000 sq.ft. cement walks in (2) West Park Dist., from Ohio Quarries Co., Union Bldg., (a1) $39,993 (a2) $39,643; Rieley Bros., The Arcade, (b1) $36,013; M. P. Platten, Engineers Bldg., (b2) $40,143.

O., Cleveland Heights (Warrensville, P. O.)—From Spence Bros., 2078 Random Rd., Cleveland, improving Hampstead Rd., 29,700 sq.ft. concrete base, 3,306 sq.yd. asphalt, 700 ft. concrete curb and gutter, etc. $18.413, Washington Blvd., 43,200 sq.ft. concrete base, $4,800 sq.yd. asphalt, 1,750 ft. concrete curb and gutter $26,460, Marlindale Ave., 37,800 sq.ft. concrete base, 4,200 sq yd. asphalt, 3,100 ft. concrete curb and gutter, etc. $23,189 Rossmor Rd., 32,850 sq.ft. concrete base, 3,650 sq.yd. asphalt, 2,450 ft. concrete curb and gutter, etc., $20,559.; from Bentley Bros., 1836 Euclid Ave., Cleveland, improving Goodnor Rd., 44,100 sq.ft. concrete base, 3,050 sq yd. asphalt, 3,300 ft. concrete curb and gutter, etc. $37,024. Noted Feb. 21.

Illinois—Dept. Pub. Wks. and Buildings, Div. of Highways, Springfield, Feb. 29, grading **(3.56 mi. 3-35A, Warren, means 3.56 mi. Route 3, Sect. 35 A, Warren Co.)**, from Cameron Joyce & Co., Keokuk, Ia., 3.56 mi. 3-35A Warren, 62,815 yd., $29,260, 22.92 mi. 5, Combination C, Jo Daviess, 473,490 yd., $363,750, 5.06 mi. 9-39A, Fulton, 332,662 yd., $141,733, 3.46 mi. 9-41A, Fulton, 29,920 yd., $18.454, 11.97 mi. 41, Combination I, Fulton, 138,750 yd., $85,681; from Tim Ryan Sons, Missouri Valley, Ia., 9.72 mi. 3-28A, Warren, 133,170 yd., $70,655, 1.07 mi. 3-33A, Warren, 14,680 yd., $7,282; from Powers Thompson Constr. Co., Joliet, 1.3 mi. 2-70A, La Salle, 52,285 yd., $31,532; from Byers Wilson Constr. Co., Des Moines, Ia., 4.83 mi. 9-25A, Hancock, 245,480 yd., $139,930; from McAndrews & Hannahs, Keokuk, Ia., 2.77 mi. 9-24A Hancock and McDonough, 75,780 yd., $37,987; from Jenner Bros., Davenport, Ia., 2.39 mi. 9-37A, Fulton, 40,925 yd., $18,996; from Tritt Bros., Belleville, 3.25 mi. 13-22A, St. Clair, 35,860 yd., $23,512; from H. G. Althoff, Teutopolis, 2.3 mi. 16-4A, Coles, 29,652 yd., $13,289, 4.52 mi. 16-5A, Coles, 93,159 yd., $39,484; from C. I. Jones, Omaha, Neb., 2.19 mi. 32, Combination G, Shelby and Moultrie, 39,635 yd., $19,369; from L. Rich Constr. Co. East St. Louis, 10.37 mi. 34, Combination H, Pope Co., 223,420 yd., $146,000; from A. O. McCoy, Rushville, 6.84 mi. 36-10A, Adams Co., 60,485 yd., $32,044. Noted Feb. 21.

Wis., Kenosha — Paving, etc., various streets (1) 97,000 sq.yd. pavement, (2) 65,000 lin.ft. concrete curb and gutter (3) 49,000 cu.yd. earth excav., from G. M. Gross Constr. Co., Appleton, (1) rein.-con. $2.34, (2) $0.78 (3) $0.68; from J. Cape & Sons, 468 Water St., Racine, (1) repressed brick $4.40 (2) $0.60 (3) $0.98; from White Constr. Co., 68 Wisconsin St., Milwaukee, (1) vertical fibre brick $3.65 (2) $0.69 (3) $0.90; from H. J. Glover & Son, Holland, Mich., (1) sheet asphalt $2.66 to $2.69, asphaltic concrete $2.37 to $2.39 (2) $0.74 (3) $0.82.

Minn., St. Paul — H. W. Austin, city purch. agt., Mar. 4, paving Mississippi River Blvd. from end of present paving at Cretin and Portland Aves. to point 304 ft. west of West 7th St., 17,850 cu.yd. excav., 23,260 cu.yd embankment, 72,827 sq.yd. asphaltic concrete, 972 sq.yd. reset asphaltic concrete, etc., from Fielding & Shepley, 216 University Ave., $272,949; Grand Ave. between Milton St. and Cretin Ave., 52,876 sq.yd. 3-in. vertical fibre brick, 315 sq.yd. creosoted wood blocks, etc., and George St. between Ohio and State Sts., 6,017 sq yd brick paving, 15,484 sq.yd. asphaltic concrete, curb, etc., from Thornton Bros. Co., 318 Endicott Bldg., $231,244 and $81,431 respectively; Grand Ave. between Oakland Ave. and Milton St., 16,247 sq.yd. 3-in. vertical fibre brick, from Feyen Constr. Co., 277 Burgess St., $67,200; Phalen Parkway-East Lake Shore Dr., between bath-house and Larpenteur Ave. and from East Lake Shore Dr. at southerly end of lake to Maryland St., 2,980 sq.yd 7-in. rein.-con., 16,598 sq.yd. Class A asphaltic concrete, 8,668 sq.yd. Class B asphaltic concrete, also Park Ave. between Wabasha St. and Como Ave., and Como Ave. between Park Ave. and Rice St., 11,288 sq.yd. 3-in. vertical fibre brick, curb, etc., from Hanlon & Okes, 338 Lumber Exch., Minneapolis, $98,831 and $50,442 respectively. Noted Feb. 28.

Missouri—State Hy. Dept., Jefferson City, Feb. 27, from Farrell & Dulrouillet, Linn, improving 3.314 mi. Paris-Shelbina Rd., Monroe Co., 22,210 cu.yd. earth excav. $0.40 per cu.yd., 31,111 sq.yd. gravel surfacing $0.70, etc., total $40,747; from Kiefner & Geile, Perryville, improving 2.09 mi. of above road, 10,623 sq.yd. earth excav. $0.40, 19,668 sq.yd. gravel surfacing $0.62, etc., total $20,671.

Tex., Beaumont—Jefferson Co. grading and surfacing with rein.-con. 7 35 mi. State Highway 40, Voth Rd., (Bates Sect.) Federal Aid Project 349, 598.7 cu.yd. concrete, 20,186 cu.yd. roadway, and 17,715 cu.yd. borrow excav., 69,336 sq.yd. concrete pavement, 46.884 lb. reinforcing, etc., from Smith Bros., Amer. Natl Exch. Bank Bldg., Dallas, $204,756. Noted Feb. 7.

Tex., Daingerfield—Morris Co. grading and gravel surfacing 5 08 mi. State Highway 35, Federal Aid Project 362, 359.5 cu.yd. concrete, 23,843 lb. reinforcing, 7,994 cu.yd. gravel from Womack Constr. Co., Sherman, $31,816. Engrs. est. $35,267. Noted Feb. 7.

Tex., McKinney — Collin Co. surfacing road already graded with 22 590 sq.yd. rein.-con. pavement, State Highway 1, from Tibbetts Constr. Co., Mineral Wells, $60,088. Noted Feb. 21.

Tex., Rio Grande City—Starr Co. grading and gravel surfacing 13.19 mi. State Highway 12, Federal Aid Project 337-B, 1,052.9 cu.yd. concrete, 97,222 lb. reinforcing, 20,928 cu.yd. gravel, from W. L. Pearson & Co., 827 First Natl. Bank Bldg, Houston, $78,439. Engrs. est. $109,312. Noted Feb. 7.

Calif., Los Angeles—Improving Baker Ave. between Flora and Compton-Jaberonia Rd., 7,800 cu.yd. excav., removing 3,509 cu.yd. old macadam, shaping 55,313 sq.yd. roadway, 34,107 sq.yd. subbase, from Griffith Co., Railway Bldg., $54,960. Noted Feb. 14.

Calif., Los Angeles—From Griffith Co. Ry. Bldg., improving Wilton St. between Wilshire and San Marino Sts., grading total $4,484, 110,323 sq.ft. asphalt $0.228, 1,034 sq.ft. bituminous $0.12, 2,241 sq.ft. gutter $0.25, storm drain $1 650, etc., Griffin Ave. between Montecito Park and Ave 35, grading $4,595, 81,810 sq.ft. asphalt $0.228, 51,768 sq.ft. concrete $0.22, 3,119 sq.ft. walks $0.21, 5,413 sq.ft. gutter, $0.25, etc.

CONTRACTS AWARDED

N. Y., Corning—Bd. Pub. Wks., for 6,386 sq.yd. pavement, etc., to Holleran Bros., 901 Linden Pl., Elmira, $30,441. Noted Feb. 28.

N. Y., New York—Dept. Plant & Structures, Municipal Bldg., westerly flooring on steel approaches of Manhattan Bridge, to Keppler Constr. Co., 343 Lewis Ave., Brooklyn, $24,653. Noted Mar. 6.

Pa., Phila. — Dept. Pub. Wks., Bureau Highways, asphalt pavement on Luzerne St. and repaving with asphalt on Wharton St., to Eastern Paving Co., 401 Colonial Trust Bldg., $14,163 and $46,651 respectively; repaving with asphalt on Chelten and Sprague Sts., also 54th St., to Barber Asphalt Paving Co., 239 North 30th St., $82,288 and $31,331 respectively; redressed granite block repaving on Callowhill St., to Union Paving Co., 30th and Locust Sts., $44.192, on Frankford and Front Sts., to F. Beckius, Jr., 4050 Kensington Ave., $64,140 and $25,459 respectively, on Germantown Ave., to J. F. Nolan & Sons, 64 Church Lane, $59,347, 7th Ave., to Acchione & Canuso, 804 South 12th St., $29,473 60th St. to M. J. McCrudden, 1134 Real Estate Trust Bldg., $47,408. Noted Feb. 28.

Md., Baltimore — To Amer. Paving & Contg. Co., Montebello Ave., P. Flanigan & Son, Hartford Rd. and 25th St., and Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., special work for city sheet asphalt and concrete at following prices binding and topping $1.85 per sq. yd. concrete $2.75 per sq.yd., extra ½-in. binder $0.21 per sq.yd., binder at plant $6 per ton, topping at plant $7 per ton. Total $1,000,000.

Md., Towson — Baltimore Co., concrete paving 1.5 mi. Graystone Rd., Group 1, and 2 mi. Middletown Rd. from end of concrete east, to Harry T. Campbell Sons Co., Inc., Towson, $96,617. This corrects report in Feb. 28 issue.

Fla., Crawfordville—Wakulla Co., constructing roads, to W. T. Taylor Constr. Co., Birmingham, Ala., Sopchoppy to Leon Co. line via Smith Creek, 26 mi., $194,000; Crawfordville to Ivan and Leon Co. Line, also Medart to Panacea, 12.1 mi., $55,000; Wakulla to Newport and Crawfordville to Arran, 6.4 mi., $26,000; Wakulla to St. Marks, 6 mi., $25,000; clearing, etc., $125 per acre excav., $0.35 cu.yd.; machine grading $7.50 per sta., clay or soil $0.60 cu.yd., mixing and shaping $0.03 sq.yd. Noted Jan. 24.

Fla., Lakeland — Improving various streets, curbing to Newell Contg. Co., 3828 Ave. A, Birmingham, Ala.; paving to Yeats & Headrick, Tampa, and Stidham & Hughes, Bartow. Total $900,000. Noted Dec. 6.

Alabama—State Hy. Dept., Montgomery, concrete and brick surfacing 1.856 mi. Northport-Warrior River Rd., 18- to 32-ft., from Finnell & Toothacker, Tuscaloosa, $86,096. Noted Feb. 7.

Ala., Birmingham—Paving with asphaltic concrete on concrete 5 blocks Cahaba Rd., 20 ft., with bitulithic on concrete 5 blocks 7th Ave., North, 30 ft., to Southern Roads Co., Amer. Trust Bldg., $12,584 and $21,098 respectively; with sheet asphalt on concrete 7 blocks 14th St. North, 30 ft., to Duna Constr. Co., Lincoln Bldg., $28,964; paving between street car tracks on 7th Ave. N. to Birmingham Railway Light & Power Co., 1st Ave., $16,315.

Ala., Fairfield—Paving with tarvia 15 blocks Parkway, 30 ft., to Independent Paving Co., Amer. Trust Bldg., Birmingham, $30,000. Noted Feb. 28.

Miss., Bay St. Louis—Improving 11.931 mi. Federal Aid Project 159, 99,392 cu.yd. borrow and 3,363 cu.yd. common excav., 28,000 cu.yd. gravel 1 mi. haul, 166,080 units gravel ½ mi. overhaul, bridges over 20 ft. span include 11,200 lb. reinforcing, etc., to S. B. Boyd, Columbia, $96,380. Noted Feb. 14.

O., Akron — W. F. Peters, dir. Pub. Serv., to V. Olson, 501 Herberich Bldg., repaving South Arlington St., asphalt, $30,265; engrs. est. $35,000; to T. E. McShaffrey Constr. Co., 171 South Forge St., improving Chalker St., asphalt, $30,000, $35,000, Wildwood and Stadelman Aves., asphalt, $67,066, $75,000 Emmerling Ave. and Andrus St., asphalt, $44,300, $50,000; to Columbus Asphalt Paving Co., 304 Buckeye Bldg., improving Aqueduct St., $29,029, $35,000, Big Falls Ave., $36,085, $40,000. Noted Feb. 21.

O., Niles — Paving more than a mile stretch between car tracks on Robbins Ave., to J. De Jute, Niles, $75,000. Noted Mar. 29, 1923.

O., Steubenville—Jefferson Co. macadam resurfacing 7.7 mi. Rayland-Dillonvale Rd., also 8.3 mi. Richmond-Knoxville Rd., to H. F. Dougherty, Steubenville, $35,838 and $49,210 respectively. Noted Feb. 21.

Minn., New Prague—Paving, curbing and guttering on 22 blocks, to Larson Constr. Co., Albert Lea, $2.58 per sq.yd. Noted Feb. 21.

Kan., Marysville—Paving, etc., 5,600 ft. Hillcrest Court, 5th, 9th, 10th, 13th, 14th, 15th and Center Sts., 14,700 cu.yd. excav., 24,920 sq.yd. brick on concrete, 13,000 ft. concrete curb and gutter, 19 manholes, 50 catchbasins, 7,800 lin.ft. 12- to 24-in. drainage pipe, to J. Stanton & Son, Independence, Kan., $113,789.

Neb., Chadron—Paving, curbing and guttering 30,000 sq.yd. various streets, to Roberts Constr. Co., 404-405 First Natl. Bank Bldg., Lincoln, $109,593. Noted Feb. 7.

Wyoming—State Hy. Comn., Cheyenne, Federal Aid Project 64, grading 32.8 mi. 24 ft., and 4 timber bridges on Casper-Rawlins Rd., Carbon Co., to Sharrock & Purcel, Casper, $54,745; Federal Aid Project 143, grading and surfacing 5.84 mi. Buffalo-Sheridan Rd., Johnson Co., to C. Waegele, Ucross, $50,494; Federal Aid Project 155, grading 7.47 mi. Moorcroft-Carlisle Rd., 24 ft., to Wickham Bros. & Schwieger, Billings, Mont., $58,601. Noted Feb. 28.

Wyo., Cheyenne—Improving 15 blocks, Dist. 5, Pershing Heights, grading, curbing, paving, asphalt on concrete base, to A. H. Reed Co., Cheyenne, $94 372. Noted Feb. 21.

Streets and Roads (Continued)

Mo., St. Louis—Bd. Pub. Wks., 208 City Hall, to Webb-Kunze Constr. Co., 5927 Fyler Ave., granite curbing, grading and paving 6,016 sq.yd. Garrison St. $36,934, engrs. est. $37,300, 9,195 sq.yd. Laclede St. $65,917, $69,300, 2,260 sq.yd. Maffitt St. $19,678, $18,800, 4,640 sq.yd. Sacramento St. $29,612, $29,800, 4,475 sq.yd. Stoddard St. $27,612, $27,700, all above asphalt on concrete base; to Granite Bituminous Paving Co., Ry. Exch. Bldg., improving 11,550 sq.yd. Kossuth St. $59,487, $59,200, 1,550 sq.yd. Reber Pl. $9,657, $9,200, both warrenite on concrete 11,500 sq.yd. Loughborough St., bitulithic on concrete, $66,848, $68,500; to Trinidad Asphalt Mfg. Co., Title Guaranty Bldg., improving 14,380 sq. yd. Meramec St., willite on concrete, $82,927, $86,800, resurfacing 8,770 sq.yd. Pendleton St., willite on old bitulithic, $23,436, $27,500; to Eyermann Constr. Co., 1216 South Grand Blvd., paving seven 15 ft. alleys, 7,305 sq.yd., $19,086, also to Skrainka Constr. Co., Security Bldg., 5 alleys, 7,430 sq.yd. $20,335. Noted Feb. 28.

Tex., Ballinger — Runnels Co., grading, etc., 9.36 mi. State Highway 30, Federal Aid Project 410, to Tibbetts Constr. Co., 209½ West 8th St., Ft. Worth, $54,501. Noted Mar. 6.

Tex., Dallas—Dallas Co., bituminous concrete paving 41,152 sq.yd. Prospect, Lamar, Greenville, McMillan, Allen, Gertrude and McKinney Sts., to Fuller Constr. Co., Southland Life Bldg., $163,321; paving with willite asphaltic concrete 24,102 sq.yd. Ballard, Garland, Forney and Terry Sts., to Smith Bros., Amer. Exch. Bank Bldg., $88,610.

Tex., Electra—Paving 50,900 sq.yd. various streets, 3 in. vitr. brick on 5 in. concrete, 24,200 cu.yd. excav., 32,000 ft. 8 in. curb and gutter, to Jordan Paving Co., Plainview, $225,374. Noted Feb. 14.

Tex., Laredo — Webb Co., improving roads, to F. P. McElwrath, Corsicana, widening present gravel from 15 to 18 ft. and constructing thereon 16 ft. x 2½ in. asphalt macadam wearing surfacing 8.75 mi. State Highway 2, Sect. C, Federal Aid Project 165, $67,031, engrs. est. $73,250, 9.88-mi. State Highway 2, Sect. D, Federal Aid Project 165, $75,390, engrs. est. $83,118; 6.5 mi. State Highway 2, Sect. A, Federal Aid Project 165, $51,463, engrs. est. $50,195, 8.14 mi. State Highway 2, Sect. B, Federal Aid Project 165, $62,740, engrs. est. $62,962. Noted Feb. 21.

Okla., Comanche—Grading and paving 4 blocks Oak St., 12,600 sq.yd. 7-in. concrete, 1,200 lin.ft. curbing, 4,200 cu.yd. earth and 60 cu.yd. rock excav., to S. O. Maxey & Co., 510 North 14th St., Durant, concrete $2.68 per sq.yd., earth excav. $0.55 per cu.yd., curbing $0.60 per lin.ft., total $42,850. Noted Feb. 28.

Okla., Oklahoma City—Grading and paving streets, 5,700 sq.yd. 1½ in. concrete, to Western Paving Co., Tradesmen Natl. Bank Bldg., $53,039. Noted Jan. 24.

Colorado—State Hy. Dept., Denver, concrete paving 1.8 mi. Federal Aid Project 256-B, Logan Co., to W. F. Pigg & Son, Engineers Bldg., Denver, $53,703; grading and gravel surfacing 6.5 mi. Federal Aid Project 253-A, Routt Co., to Northwestern Constr. Co., Craig, $126,375. Noted Feb. 21.

Oregon—State Hy. Dept., Salem, regrading and gravel surfacing 6.2 mi. Glasgow Sect. Roosevelt Highway, 18 ft., Coos Co., to J. Hakeson, Oakland, Calif., $72,198; broken stone surfacing 10.24 mi. Crater Lake Highway, 18 ft., Jackson Co., to Dunn & Baker, Hornbrook, Calif., $61,659 grading 6.74 mi. and broken stone surfacing 7 mi. Klamath Falls-Lake View Highway, Klamath Co., to Klamath Co. Constr. Co., Klamath Falls, $93,788; grading 2.64 mi. and broken stone surfacing 5.1 mi. Oregon-Washington Highway, Umatilla Co., to J. Crick, LaGrand, $36,383.

California—State Hy. Comn., Sacramento, improving highway between Half Moon Bay Rd. and Kings Mountain Rd., San Mateo Co., 6.4 mi. grading and surfacing with crushed gravel or broken stone, to J. P. Holland, 540 Brannon St., San Francisco, $181,386, engrs. est. $178,648. Noted Feb. 21.

Calif., Bakersfield — Kern Co., Rd. Dist. Impvt. 25, resurfacing with 3 to 5 in. asphaltic concrete 38 mi. various highways and constructing 3 mi. 6 in. asphaltic concrete in 2 courses to California Constr. Co., 58 2nd St., San Francisco, $840,090. Noted Feb. 28.

Calif., Colusa — Colusa Co., Grimes-Colusa Rd., grading 5.65 mi., incl. subgrading, 11,800 cu.yd. unclassified excav., 7,600 lin.ft. subgrading, 9,243 cu.yd. willite plastic composition pavement, also Princeton-Colusa Rd., grading 12.36 mi., incl. subgrading, 26,600 cu.yd. unclassified excav., 3,900 lin.ft. subgrading, 17,078 cu.yd. willite plastic composition pavement, to V. R. Dennis Constr. Co., Bryte Bldg., San Francisco, $129,975 and $225,777 respectively; Grimes-Arbuckle Rd., grading 6.05 mi. incl. subgrading; 17,400 cu.yd. unclassified excav., subgrading, 7,887 cu.yd. asphaltic concrete, to J. E. Johnston, Savings Loan Bank Bldg., Stockton, $110,999. Noted Dec. 20.

Calif., Pittsburgh—Improving Railroad Ave., to Hutchinson Co., Hutchinson Bldg., Oakland, 93,565 sq.ft. of 6 in. concrete $0.21, 3,895 sq.ft. concrete curb $0.50, 3,555 cu.yd. grading $1.20. Noted Mar. 6.

Calif., Los Angeles—Improving Ave. 52 between Coringa St. and point 1,160 ft. north, to J. A. Mathews, 1230 North Olive Dr., 29,898 sq.ft. oil and roll $0.07, 2,300 lin.ft. light curb $0.55, 11,500 sq.ft. Walks $0.20, 4,600 sq.ft. gutter $0.30. Noted Jan. 31.

Calif., San Diego — Bd. Supervs. San Diego Co., paving 5 mi. Ramona Highway, 18 ft., 3 and 7 in. cement concrete, to E. P. Ford, East San Diego (Branch of San Diego), $131,375.

Calif., Tulare—Improving various streets, incl. 9,507 sq.ft. 6 in. concrete, 142,435 sq. ft. 5 in. concrete, 24,000 sq.ft. 4 in. concrete alley pavement, 74,390 sq.ft. 4 in. street pavement, 21,093 sq.ft. 4 in. cement walks, 6,916 lin.ft. cement concrete curb, etc., to Valley Paving & Constr. Co., 113 North Court St., Visalia, $66,283. Noted Feb. 21.

Que., Montreal—Will construct 2,625 ft. asphalt on St. Hubert St., 40 ft., $25,000, 900 ft. macadam, Palin St., 34 ft., $10,752, 1,153 ft. macadam, St. Augustine St., 30 ft., $12,369 and 700 ft. macadam, St. Emelie St., 27 ft., $7,119, by day labor. E. Gauthier, asst. city clk.

Que., Montreal — Will construct 19,567 ft. asphalt pavements on various streets and avenues $278,738, and 52,820 ft. concrete sidewalks, $85,898, by day labor. E. Gauthier, asst. city clk.

Ont., Plantagenet—Prescott and Russell Counties, 6 mi. gravel and macadam pavement to Clouthier & Grenon, Casselman, Maxwell & Mills, L'Original, and Denis & Mooney, Vankleek Hill. Total est. $55,000.

Industrial Works

PROPOSED WORK

Mass., Westboro — Factory — Westboro Weaving Co., Milk St., having plans prepared 1 story and basement, 50 x 215 ft., brick and steel, plain foundation, Milk St. $60,000. Architect's name withheld.

Conn., Georgetown—Wire Mill—Gilbert & Bennett Co., had plans prepared by Greenwood & Noerr, archts. and engrs., 847 Main St., Hartford, 3 story, 48 x 110 ft. rein.-con. mill, 2 story, 25 x 63 ft. rein.-con. wing, and 1 story, 30 x 33 ft. brick substation, $80,000.

N. Y., Syracuse — Lighting Plant — See "Unclassified."

Pa., Altoona—Gasoline Station—Gulf Refining Co., Hollidaysburg, plans 1 story and basement, 100 x 100 ft. rein.-con. and steel, Eldorado and 6th Aves., here. $150,000.

Pa., Erie—Factory—Erie Steam Shovel Co., M. Armstrong, mgr., had plans prepared by Osborne Eng. Co., 7016 Euclid Ave., Cleveland, O., 1 story, 200 x 300 ft., brick and steel. $100,000.

Pa., Harrisburg—Plant—Air Reduction Co. of America, 342 Madison Ave., New York City, soon takes bids rein.-con., brick and steel, plain foundation. $300,000. Private plans.

Pa., Phila.—Substations—Phila. Electric Co., 10th and Chestnut Sts., having plans prepared by J. T. Windrim, Commonwealth Bldg., 2 story and basement, 57 x 60 ft., Main and Green Sts., Manayunk, and 2 story and basemept, 57 x 59 ft., 6th and Federal Sts., both brick and steel, plain foundations.

Pa., Sharon—Plant—Westinghouse Electric & Mfg. Co., East Pittsburgh, having plans prepared by B. H. Prack, Keystone Bldg., Pittsburgh, 1 and 4 story, 145 x 1,025 ft., 92 x 650 ft., and 80 x 352 ft. brick and steel additions to factory. $1,000,000.

Fla., West Palm Beach—Gas Plant—R. B. Wagner and associates, 1409 Florida Ave., plan to rebuild, extend and convert old plant into high pressure system. $75,000.

Ala., Birmingham—Acetylene Plant—Air Reduction Co. of America, 342 Madison Ave., New York City, soon takes bids rein.-con., brick and steel, plain foundation, here. $300,000. Private plans.

Ky., Henderson—Mill—T. Baskett Grain Co. plans flour mill addition, 2nd St. and Illinois Central R.R. tracks. To exceed $40,000. T. Baskett, pres.

Ky., Whitesburg—Mill—Coeburn Lumber Co. plans several mills east of here. $40,000. L. F. Jackson, c/o owner, engr.

O., Cleveland—Factory—W. M. Hardie Co., 2260 East 69th St., plans brick, East 19th St. near Payne Ave. $60,000. W. M. Hardie, pres. Engineer and architect not selected.

O., Dayton — Baking Plant — Green & Green Co., Cincinnati and Concord Sts., plans 5 story and basement, 100 x 124 ft., rein.-con., plain foundation, Concord St. $450,000. Private plans.

O., East Palestine—Plant—F. A. Hoiles, Alliance, takes bids in spring 2 story, Martin Farm, near Darlington, Pa. $75,000.

O., Lima—Plant—Air Reduction Co. of America, 342 Madison Ave., New York City, soon takes bids acetylene plant, rein.-con. brick and steel, plain foundation, here. $300,000. Private plans.

O., Osborn — Plant — Wabash Portland Cement Co., 1824 Ford St., plans three 10 x 175 ft. rotary cement kilns, also warehouse to store 150,000 bbl. cement and other buildings, here. $1,750,000.

O., Zanesville—Factory—Mosaic Tile Co., Westbourne Ave., having plans prepared by Lockwood, Greene & Co., Hanna Bldg., Cleveland, 3 story and basement, 80 x 150 ft., brick and rein.-con. $150,000.

Ind., Bloomington — Power Plant — Showers Bros. plan central steam power plant at factory. $400,000 incl. equipment.

Wis., Kewaunee — Factory — Leyse Aluminum Co. plans 2 story, brick addition, plain foundation. $40,000. Engineer and architect not selected.

Wis., Menomonie—Creamery—New Hudson Road Creamery Co., C. Oberle, secy., having plans prepared 2 story, 40 x 80 ft., rein.-con. and brick, plain foundation. Private plans.

Wis., Milwaukee—Plant—Dunning Heating Supply Co., 131 Reed St., plans 2 story, 98 x 200 ft., brick and concrete, plain foundation, 40th Ave. Engineer and architect not selected.

Wis., Oshkosh—Factory—Gould Mfg. Co. plans 2 story, 80 x 174 ft., brick, rein.-con. and steel, plain foundation. $100,000. Engineer and architect not selected.

Wis., Richland Center — Creamery — Farmers Co-operative Creamery, c/o O. Richards, plans 2 story, brick and tile, plain foundation. $50,000. Engineer and architect not selected.

Wis., Watertown—Shop—O. Biefield Co. 202 North Water St., plans 2 story, brick, rein.-con. and steel, plain foundation. $110,000. Engineer and architect not selected.

Wis., West Bend—Factory—Lockwood, Greene & Co., engrs., 38 South Dearborn St., Chicago, soon takes bids 2 story, 84 x 130 ft., brick and timber, plain foundation, for Amity Leather Products Co. $40,000-$50,000. Noted Feb. 28.

Minn., Winona—Plant, etc.—Wisconsin Light & Power Co., having plans prepared by Mead & Seastone, Journal Bldg., Madison, Wis., addition, brick and steel, to boiler plant. R. M. Howard, mgr.

Kan., Newton—Power Plant, etc.—City having plans prepared by E. T. Archer & Co., engrs., 609 New England Bank Bldg., Kansas City, Mo., 1 story steam power plant, concrete smoke stack, 5 ton traveling crane, 49 ft. span, etc. $45,000.

N. D., Grand Forks—Plant—Apr. 1, to vote on $110,000 bonds for electric power and light plant. C. E. Evanson, city aud.

Mo., Springfield—Packing Plant—Banfield Bros. Meat Market, 1400 Clay Ave., having plans prepared by Heckenlively & Marks, 642 Landers Bldg., 2 story and basement, 105 x 156 ft., rein.-con. and brick. $300,000.

Tex., Akansas Pass—Refinery—See "Unclassified" under Texas.

Tex., Dallas—Factory—E. C. Palmer & Co., Lacy and Young Sts., had plans prepared and takes bids about Apr. 15, 4 story and basement, brick and concrete. $60,000. L. R. Whitson, Medical Arts Bldg., archt. Noted Jan. 3.

Tex., Leon Junction—Plant—Texas Calcium Arsenate & Lime Co., Amicable Bldg., Waco, making plans and will let contract in summer calcium arsenate and lime plant. Total cost $60,000 concrete foundations and excavation, let to E. E. Sandefer, Leon Junction. $20,000.

Tex., Lubbock — Power House — See "Buildings" under "Administration."

Tex., Port Neches — Ice Plant — Port Arthur Ice & Refrigeration Co., Port

Industrial Works (Continued)

Arthur, having plans prepared by York Eng. Co., engrs., Texas Ave. Houston, 20 ton ice plant. $45,000.

Okla., Altus—Light Plant—See "Waterworks."

Okla., Welcetka — Power Plant — Oklahoma Power Co., Okmulgee, having surveys made new 10,000 hp. steam turbine power plant here, with transmission lines to neighboring towns. $1,000,000. C. H. Kretz, Okmulgee, engr.

Wash., Longview—Plant—U. S. Hydro-Carbon Gas Co. plans plant on 40-acre site. $200,000. E. Munz, Longview, engr.

Calif., San Francisco—Laundry—Galland Laundry Co., Folsom and 8th Sts., having plans prepared by S. Heiman, 57 Post St., 2 story, rein.-con. addition to laundry. $42,000.

Calif., Santa Ana—Textile Plant—Cope Shaffer Co., 1240 South Main St., Los Angeles, plans textile plant, 10 units, on 10 acre site, here.

Ont., Riverside—Brewery—F. J. Kirsch, Riverside, plans 2 or 3 story, frame or brick, plain foundation. $150,000. Architect or engineer not selected.

Ont., Toronto—British Woolens, Ltd., 610 Canadian Pacific Ry. Bldg., having plans prepared by N. A. Armstrong, 7 King St. E., 3 story, concrete, brick and steel factory. $100,000 to $150,000.

BIDS DESIRED

N. J., Dunellen—Plant—Dunellen Ice Co. will build 2 story, 100 x 100 ft., rein.-con., brick and steel, plain foundation. Work will be done by separate contracts. Frank H. Quinby, 110 William St., New York City, archt. and engr.

N. J., Morris Plains—Boiler Plant—Apr. 2 (extended date) at office Commissioner Institutions & Agencies, West Hanover St., Trenton, new boiler plant complete at New Jersey State Hospital, here. A. B. Mills, State Bldg., Trenton, dir. div. architecture and construction. Noted Mar. 6.

Pa., Darlington—Plant—Darlington Clay Products Co., will build and award separate contracts four 1 story factory buildings, 40 x 76 ft., 36 x 76 ft., 38 x 80 ft. and 26 x 92 ft., brick and steel. $75,000. Private plans.

Pa., Phila.—Plant—D. Cini, 1507 South 13th St., will build 4 story and basement, 48 x 68 x 96 ft. brick and steel plant, plain foundation, 1126-1132 South 9th St. H. Cascia, archt., 1611 South 15th St., taking sub bids.

Pa., Pittsburgh—Mill—Dravo Contg. Co., Diamond Bldg., will build and award separate contracts 1 story, 40 ft. high, 80 x 277 ft. steel frame, Neville Island. $50,000. Private plans.

Pa., Pittsburgh — Warehouse — Jones & Laughlin Steel Corp., 3rd and Ross Sts., will build and award separate contracts 1 story, addition to warehouse, Mary St. $100,000. Steel erection to Pittsburgh Constr. Co., Diamond Bank Bldg.

Ky., Louisville—Factory—Mar. 31, by Nevin, Morgan & Wischmeyer, archts., Starks Bldg., 2 story, 39 x 108 ft., rein.-con. and brick, Frankfort and Bellaire Aves. for Kentucky Workshop for Adult Blind. $80,000. Noted Mar. 6.

Wis., Milwaukee — Plant — Kirchoff & Rose, archts., 210 Sycamore St., taking bids 5 story and basement, 92 x 140 ft., rein.-con. and brick, plain foundation, for Pittsburgh Plate Glass Co., 205 Lake St. Noted Jan. 10.

Kan., Salina—Mill—Robinson Milling Co. taking bids 6 concrete storage bins, 200,000 bu. capacity. $60,000. Contract for foundation piling work, to F. A. Whitney & Son, Kansas City, Mo.

CONTRACTS AWARDED

Conn., Waterbury — Publishing — Lockwood-Green & Co., 101 Park Ave., New York City, 4 story, 50 x 60 ft., rein.-con. and brick, plain foundation, here, for Waterbury American, Printers Court, to Clark Constr. Co., 168 Grand St. Archts. est. $165,000. Noted Dec. 6.

R. I., Providence—Factory—Foxon Co., Inc., 239 West Exchange St., 2 story, 65 x 100 ft., brick and steel, plain foundation, West Park St., to E. Turgeon, 86 Weybosset St. Archts. est. $40,000.

N. J., Mays Landing—Mill—Mays Landing Water Power Co., 3 story, 138 x 242 ft. cotton mill, rein.-con., to Morton C. Tuttle Co., 862 Park Sq. Bldg., Boston, Mass.

Pa., Phila.—Shop—J. T. Windrim, archt., Commonwealth Trust Bldg., 2 story, 60 x 101 ft. brick and steel, plain foundation, 26th and Christian Sts., to F. N. Harris & Co., 520 Parrish St., $100,000, for Phila. Electric Co., 10th and Chestnut Sts.

Md., Baltimore — Substation — Consolidated Gas, Electric Light & Power Co., Constitution and Front Sts., will build 2 story, 75 x 85 x 92 ft., brick, plain foundation, 409-19 Tyson St., by day labor. $175,000. Private plans. Noted Jan. 17.

Ga., Columbus—Warehouse—Central of Georgia Ry., 233 West Broad St., Savannah, warehouse on 13th St., here, to G. B. Swift Contg. Co., 189 West Madison Ave., Chicago. Engrs. est. $75,000.

Ala., Lanett—Mills—Lanett Cotton Mills, 1 story and basement, 80 x 296 ft., general contract to Gallivan Building Co., Arlington Ave., Greenville, S. C.

Tenn., Chattanooga—Factory—Hardwick Stove Co., 1 story, 80 x 200 ft. addition, to Austin Co., 16112 Euclid Ave., Cleveland, O. Est. cost $75,000.

Tenn., Cleveland — Mill — Cleveland Woolen Mills Co. will build 4 story, 65 x 150 ft., brick and steel addition, by own forces under supervision of W. H. Sears, archt., James Bldg., Chattanooga. Est. cost $150,000.

O., Cleveland—Factory—Cleveland Wire Cloth & Mfg. Co., 3573 East 78th St., 2 story (4 bays) 16 x 64 ft. each brick and timber additions, to W. Dunbar Co., 8201 Cedar Ave. Archts. est. $50,000.

Ill., Mt. Vernon—Plant—Mt. Vernon Car Mfg. Co., 1 story, 200 x 260 ft. addition, to Hughes-Foulkrod Co., Oliver Bldg., Pittsburgh, Pa. Archts. est. $150,000. Noted Jan. 31.

Wis., Milwaukee — Laundry — Building Finance & Constr. Co., 756 12th St., will build 1 and 2 story and basement, 96 x 120 ft., brick and timber, plain foundation, by day labor. $60,000. Private plans.

Kan., Concordia—Plant—Metz Packing Co., 2 story and basement, 50 x 70 ft., general contract to W. T. Short & Son, Concordia. Private plans.

Kan., Gypsum—Mill—Teichgraeber Milling Co. 3 bin elevator and modern rein.-con., to Eberhardt Constr. Co., Salina. Est. cost $40,000.

Kan., Wichita—Factory—Coleman Lamp Co., North St. and Francis Ave., 2 story and basement, 60 x 90 ft., brick and stone addition, to J. M. Denny, 1451 North Lawrence St. Est. cost $65,000. Noted Feb. 28.

Kan., Wichita — Factory — Hays Equipment Co., will build 1 story and basement, 100 x 229 ft., brick, steel and concrete, East Gilbert St., by day labor.

Calif., San Francisco—Laundry—Standard Laundry Co., 3004 16th St., 2 story, 75 x 245 ft., brick, Harrison St., to J. S. Malloch, 180 Jessie St., $78,000.

Buildings

PROPOSED WORK

R. I., Olneyville—Church—Evangelistic Church having plans prepared by Woodbury & Stuart, 581 Boylston St., Boston, 2 story, brick and stone. $250,000. J. H. Slutz, pastor. G. W. Aminson, chn. building com. Noted Nov. 29.

R. I., Providence—Church—St. Adelberts Parish, P. Switala, pastor, Atwell Ave., had plans prepared by H. F. Ludorf, 122 Main St., New Britain, Conn., 1 story and tower, brick, terra cotta and artificial stone, plain foundation, Atwell Ave. $175,000. Noted Jan. 17.

R. I., Providence—Library—Providence Pub. Library Comn. having plans prepared by Clarke & Howe, 1208 Turks Head Bldg., 3 story and basement, 43 x 190 ft., brick and limestone addition, Washington St. $200,000-$300,000.

R. I., Warwick — High School — Special Building Comn. plans 3 story, fireproof. $200,000-$250,000. Engineer and architect not selected.

Conn., New Haven — Apartment and Garage—I. Alpert, 52 Elliot St., having plans prepared by J. Weinstein, Metropolitan Bldg., Chapel St., 3 story and basement, brick, plain foundation, St. Ronan St. $150,000.

N. Y., Akron—School—Bd. Educ. plans rein.-con. and brick. $375,000.

N. Y., College Point — School — Fidelis Roman Catholic Church, c/o F. J. Berhenbach, archt. and engr., 260 Graham Ave., Brooklyn, soon takes bids 3 story, brick, steel and stone, plain foundation, High St., here. $150,000. A. Schumack, pastor.

N. Y., Lowville—Temple—Building Com. Lowville Lodge F. & A. M., and Chapter R. A. M. plans new temple. $175,000-$200,000. Address S. B. Richardson, Dayan St. Engineer and architect not selected.

N. Y., New York — Apartment — A. Bricken, c/o Schwartz & Gross, archts. and engrs., 347 5th Ave, having plans prepared 14 story, brick, steel and stone, plain foundation, 1115 Park Ave. $2,000,000.

N. Y., New York—Apartment—Goldner & Goldner, archts. and engrs., 46 West 42nd St., preparing plans 6 story, brick, steel and stone, plain foundation, 165th St. and Ft. Washington Ave. $300,000. Owner's name withheld.

N. Y., New York—Garage—Bloomingdale Bros., Lexington Ave. and 59th St., soon takes bids altering and building rein.-con. and brick addition, plain foundation, 410 East 54th St. $400,000. E. H. Janes, 70 East 45th St., archt. and engr.

N. Y., Troy—Dormitory—Emma Willard School having plans prepared by M. F. Cummings & Son, archts. and engrs., State Bank Bldg., 3 story, 60 x 300 ft., steel and stone addition, plain foundation, Pawling St. $450,000.

N. Y., Queens (branch of Jamaica)—School—Bd. Educ., 500 Park Ave., New York, had plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., Brooklyn, 4 story, brick, steel and stone, plain foundation, Larrimore Ave., here. $650,000.

N. J., Jersey City—Normal School—State Bd. Educ., Trenton, plans normal school, here. $900,000. J. Enright, pres. Engineer and architect not selected.

Pa., Butler — Bank and Office — Butler Savings & Trust Co., had plans prepared by Mowbray & Uffinger, 221 West 57th St., New York City, 8 story and basement, 60 x 120 ft., brick, steel and concrete. $350,000.

Pa., Phila.—Exchange—Bell Telephone Co., 17th St. and Parkway, having plans prepared by J. T. Windrim, Commonwealth Bldg., 3 story and basement, brick and steel, plain foundation, Ridge and Roxborough Aves.

Md., Baltimore—Bath and Field House—Bd. Park Comrs., Gay and Lexington Sts., rejected bids 1 story, 87 x 160 ft., brick, plain foundation, Druid Hill Park. Noted Mar. 6.

Md., Towson — Administration and Dormitory—Bd. Trustees Kelso Home, Charles St. and Mt. Vernon Pl., having plans prepared by O. E. Adams, Equitable Bldg., 2 story and attic, 45 x 122 ft., brick, plain foundation, Chesapeake Ave. $150,000.

N. C., Greensboro—Hotel—J. E. Latham having plans prepared by G. Lloyd Preacher & Co., Healey Bldg., Atlanta, Ga., hotel containing 250 rooms. $1,000,000.

S. C., Columbia — Office—State Sinking Fund Comn., plans office building. $500,000. M. J. Miller, secy.

Fla., Hialeah—Hotel—G. A. McKnight, 414 Ferry Ave., Niagara Falls, plans 275 x 300 ft. hotel, Palm Ave., here. $300,000.

Miss., LeFlore—School—Bd. Educ. having plans prepared by E. J. Hull, Daniel Bldg., Jackson, school. $200,000.

Tenn., Memphis—Store and Office—P. G. Meborn, having plans prepared by Jones & Furbringer, Porter Bldg., 2 story and basement, 75 x 108 ft., brick, stone and terra cotta, South 3rd and Monroe Sts. $150,000.

Ky., Dayton—School—Bd. Educ. having plans prepared by C. C. and E. A. Weber, 1408 Ingalls Bldg., Cincinnati, O., and soon takes bids high school, 8th and Walnut Sts. $160,000. Noted Feb. 21.

Ky., Lebanon—Church—United Presbyterian Church having plans prepared by Nevin, Morgan & Wischmeyer, Starks Bldg., Louisville, stone church and 3 story wing for Sunday School. $150,000. Noted Oct. 18.

Ky., Louisville—Store and Office—C. J. Stinson, archt. and promoter, Inter-Southern Bldg., takes bids about Apr. 20, 8 story, 75 x 148 ft., 3rd and Chestnut Sts. $500,000 Noted Feb. 21.

O., Cleveland—Apartment—J. T. Fritsche, 552 Leader-News Bldg., had plans prepared 4 story and basement, 106 x 148 ft., brick, plain foundation, 11115 Lake Ave. $200,000. Private plans.

O., Cleveland—Apartment—N. Nudelman, 11113 Tuscora Ave., having plans prepared by M. Altschuld, 5116 Woodland Ave., 2 story and basement, brick, Lakeview Rd. $150,000.

O., Cleveland — Clubhouse — Cleveland Columbian Building Co., c/o W. J. Birmingham, chn., 1119 Superior Ave., having plans prepared by M. C. Rosseau, Bulkley Bldg., 2 story and basement, brick and steel, 2612 Prospect Ave. $150,000.

O., Cleveland—Dance Hall—I. Margolin, 2496 Derbyshire Rd., Cleveland Heights, having plans prepared by M. Weis, archt., 617 Union Bldg., and I. J. Goldstone, consult. archt., Ohio Bldg., Akron, 1 story,

Buildings (Continued)

91 x 300 ft., brick and steel, 3629 Euclid Ave., here. $200,000.

O., Cleveland Heights (Warrensville, P. O.) — Commercial and Apartment — Heights Masonic Temple Building Co., c/o F. W. Striebinger, archt., 1900 Euclid Ave., Cleveland, having plans prepared 3 story and basement, 65 x 144 ft., brick and timber. Mayfield and Lee Rds., here. $150,000.

O., Dayton—Apartment—Howes Constr. Co., 1003 Amer. Bldg., plans 2 story and basement, 35 x 120 ft., brick and rein.-con., plain foundation, Cambridge Ave. $150,000. Private plans.

O., Dayton—Y. M. C. A. plans 6 story and basement, 100 x 220 ft., rein.-con. and brick addition, plain foundation, 3rd St. $850,000. H. C. Dickson, secy. Private plans.

O., Delaware—Chemistry—Ohio Wesleyan University, c/o B. E. Selly, chn. building comn., plans 2 or 3 story and basement, brick and steel. $200,000. H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, archts.

O., East Cleveland (Cleveland P. O.)—Church—St. Philomenas Roman Catholic Church having plans prepared by F. C. Warner, 767 Hippodrome Bldg., Cleveland, 1 story, stone and steel, Euclid and Wellesley Aves. $200,000. J. F. Smith, pastor. Noted Jan. 31.

O., Hamilton — Church — Trustees First Methodist Episcopal Church plans rebuilding stone church, Ludlow St., recently destroyed by fire. $200,000. J. H. Dennye, St. Dayton St., pastor. Engineer and archi tect not selected.

O., Lima—Hotel—Amalgamated Realty Co. plans 6 story, 150 room hotel, North Main St. $500,000.

O., Parma (Cleveland P. O.)—Schools—Bd. Educ. having plans prepared by C. W. Bates, 77 12th St., Wheeling, W. Va., 1 story, 8 room, top additions to 3 buildings, brick, steel and concrete. $200,000.

Ind., Logansport—City Hall—Bd. Pub. Wks. plans 2 story. $175,000.

Mich., Detroit—Apartment—J. I. Weinberg, archt., 401 Congress Bldg., preparing plans 3 story and basement, 95 x 96 ft. brick and steel, plain foundation, 14th and Elmhurst Sts. $200,000. Owners name withheld.

Mich., Detroit—Apartment—J. W. Wilson, archt., 17 Campus Martius, preparing plans 7 story and basement, 200 x 240 ft. rein.-con., brick and stone, plain foundation, Woodward Ave. Owners name withheld.

Mich., Detroit—Church—Detroit Baptist Union, 325 Ford Bldg., having plans prepared by Lane, Davenport & Peterson, Charlevoix Bldg., 2 story, 100 x 150 ft. brick and steel, plain foundation, Western St. $150,000.

Mich., Detroit — Church, School and Parish Hall—Diocese of Michigan, M. J. Gallagher, bishop, Washington Blvd., plans 2 story and basement, rein.-con. and brick, plain foundation, Wyoming and Schoolcraft Aves. $300,000. Engineer and architect not selected.

Mich., Detroit — School — University of Detroit, East Jefferson Ave., having plans prepared by B. C. Wetzel & Co., 2317 Dime Bank Bldg., 2 story and basement, 174 x 220 ft. rein.-con., brick, steel and stone, plain foundation, University Center. $400,000.

Mich., Detroit—Theatre—Imperial Building Corp., 13311 Jefferson Ave., had plans prepared by C. W. Brandt, 1114 Kresge Bldg., 3 story and basement, 140 x 160 ft. rein.-con., brick and steel, plain foundation, Gratiot and May Aves.

Mich., Detroit—Theatre and Office—J. H. Kunsky, 501 Madison Theatre Bldg., having plans prepared by Crane & Kiehler, 542 Griswold St., 10 story and basement, 110 x 265 ft. rein.-con., brick, steel and terra cotta, plain foundation, Woodward and Elizabeth Sts. $2,000,000.

Mich., Detroit—Warehouse—Natl. Terminals Corp., 930 Penobscot Bldg., having plans prepared by Murphy & Burns, 3456 Cass Ave., 1 story, 30 x 600 ft. automobile loading shed, and 3 story 100 x 600 ft. and 100 x 500 ft. rein.-con. and brick warehouses, plain foundations, Lonyo Rd. $1,650,000.

Mich., Farmington — Dormitory, etc. — Ford Republic School for Boys, having plans prepared by Stratton & Snyder, 1103 Union Trust Bldg., Detroit, two 2 story, 62 x 110 ft. dormitories with detached powerhouse and laundry, also 50 x 93 ft. dining room and service building, rein.-con. brick and steel, plain foundation.

Mich., Menominee—Store—Wilson-Henes Co., 615 Main St., plans to rebuild store recently destroyed by fire. $150,000 to $200,000. Engineer or architect not selected.

Ill., Galesburg—Church—First Lutheran Church, c/o C. E. Bergster, pastor, 136 North Seminary St., soon takes bids 2 story and basement, 125 x 125 ft., brick and stone church and Sunday school, Seminary and Walter Sts. $150,000. W. C. Wright, 721 North Michigan St., Chicago, archt.

Wis., Fond du Lac—Hospital—St. Agnes Hospital, 390 East Division St., soon takes bids additional unit, 3 story and basement, brick and concrete, plain foundation. $150,000. R. E. Schmidt, Gardner & Martin, 104 South Michigan Ave., Chicago, archts.

Wis., Kimberly—High and Grade School—School Dist. 3, M. A. Kettenhaven, clk., soon takes bids 2 story and basement, 70 x 147 ft., brick, tile and concrete, plain foundation. $150,000. Oppenahmer & Obel, Nicollet Bldg., Green Bay, archts. Noted Dec. 6.

Wis., Madison—Garage—J. Peterson, 102 South Orchard St., having plans prepared 6 story, 66 x 122 ft., garage and repair shop, brick, rein.-con. and steel plain foundation, Fairchild St. $150,000. Noted Jan. 17.

Wis., Milwaukee — Bank and Office — North Ave. State Bank, 3506 North Ave., plans 3 or 4 story, brick, concrete and stone, plain foundation. $200,000. Engineer and architect not selected.

Wis., Milwaukee—Garage—Tobin-Sutton Co., 636 Lincoln Ave., having plans prepared by Thoringer & Bruecker, 496 Cramer St., 2 story and basement, 62 x 200 ft., brick, concrete and steel, plain foundation, Windlake Ave. $150,000.

Wis., Rhinelander—High School—School Bd. rejected bids 2 story and basement, brick and concrete, plain foundation, (1st unit). Will readvertise. Smith, Reynolds & Brandt, Dempsey Bldg., Manitowoc, archts. Noted Jan. 31.

Wis., Wisconsin Rapids — Shop — Nash Hardware Co., 2nd St. and Grand Ave., plans 2 story, 86 x 110 ft., brick, rein.-con. and steel, plain foundation. $80,000. Engineer and architect not selected.

Ia., Hamburg—School—Bd. Educ. having plans prepared by Dougher Rich & Woodburn, Des Moines, 2 story and basement, rein.-con., brick, tile and stone. $150,000 bonds voted.

Ia., Tipton—School—Voted $265,000 bonds for school. Thomas, McLennan & Thomas, 527 West 17th St., Des Moines, archts. Noted Feb. 14.

Minn., Plainview — School — Bd. Educ. having plans prepared 2 story and basement, rein.-con., brick and tile. $160,000. G. Pass & Son, Mankato, archts.

Kan., Fort Riley—Camp—Kansas National Guard, R. Neill Kahn, adj. gen., Topeka, making preliminary plans 1 and 2 story, sheet iron and timber, building, concrete foundations, on Pawnee Plats, near Camp Funston. Private plans.

Kan., Ft. Scott—Temple—Joabert Lodge of Perfection soon takes bids rein.-con. and brick. $150,000. W. T. Schmitt, 1634 West 10th St., Oklahoma City, archt. Noted Mar. 6.

Kan., Great Bend—High School—Bd. Educ. having plans prepared by T. Williamson & Co., 312 Central Natl. Bank Bldg., Topeka, 2 story and basement, 114 x 116 ft., rein.-con. and brick. Election in April $200,000 bonds.

Kan., Kansas City—Court House—Wyandotte Co. having plans prepared by L. R. Steel, Sioux City, Ia., for court house. $1,000,000. Noted Jan. 24.

Kan., Lawrence—Hotel—W. E. Simmons, Eldridge Hotel, takes bids about Apr. 1, 6 story and basement, 42 x 117 ft., rein.-con., brick and stone. $200,000. W. E. Hulse & Co., Stamey Hotel Bldg., archt. Noted Dec. 2.

Kan., Lawrence—Hotel—W. C. Hutson had plans prepared by W. E. Hulse & Co., Hutchinson, and soon takes bids Eldridge Hotel, 6 story and basement, 100 x 117 ft., rein.-con. and brick. $180,000.

Kan., Topeka—Office—Natl. Life Insurance Co., N. E. Bldg., plans 12 story and basement, 75 x 100 ft., 10th and Grand Sts. $500,000. Architect not selected.

Kan., Topeka—Office—National Reserve Life Insurance Co., 811 Kansas St., making preliminary plans 12 story and basement, rein.-con., brick, steel and stone, concrete piling foundation, 10th St. Private plans.

Kan., Topeka—Theatre—G. D. Moore, 811 Kansas St., making preliminary plans 4 story and basement, rein.-con., brick, stone and terra cotta, 10th St. $200,000. Private plans.

Kan., Wichita—Church and Office—Interdenominational Church having plans prepared by J. F. Burlie, 207 Union Natl. Bank Bldg., rein.-con. and brick. $250,000.

Neb., Omaha — Church — First Presbyterian Church, D. McLeod, pastor, First Natl. Bank Bldg., having preliminary plans prepared by C. W. Steinbaugh, Keeline Bldg., 2 story and basement, brick and stone. $200,000.

N. D., Bismarck—Cathedral—Holy Ghost Cathedral, V. Wehrle, bishop, soon takes bids 2 story, 96 x 192 ft. concrete and stone, plain foundation. $500,000. A. Dohmen, 68 Wisconsin St., Milwaukee, Wis., archt. Noted Jan. 31.

Mo., Cameron—Hotel — C. O. Porter, Cameron House, plans 4 story and basement, fireproof. $170,000. Private plans.

Mo., St. Louis — Apartment — J. M. Sprague, International Life Bldg., soon takes bids 7 story and basement, 90 x 125 ft., rein.-con., brick and stone, Pershing St. $225,000. R. L. Coose, 507 Wainwright Bldg., archt.

Mo., St. Louis—Store and Hall—Carpenters Dist. Council, 3024 Olive St., having preliminary plans prepared 4 story and basement, rein.-con., brick and stone, Grand Blvd. $200,000. Private plans.

Tex., Bryan — Church — First Baptist Church, c/o H. Beauchamp, had plans prepared by T. J. Galbraith, Slaughter Bldg., Dallas, 2 story and basement, 98 x 145 ft., brick and tile. $150,000.

Tex., Dallas — Apartment-Hotel — Maple Terrace Apartment Co., Adolphus Hotel, c/o J. B. Rucker, having plans prepared by A. Bossom, 680 5th Ave., New York, and Thomson & Swaine, Southwestern Life Bldg., 8 story and basement, 375 x 800 ft., brick, steel and concrete, Maple and Wolfe Sts. $1,000,000.

Tex., Dallas—Church, etc.—First Methodist Church, Ross and Harwood Sts., had revised plans prepared and taking bids 3 story and basement, 160 x 240 ft. church and parish house, brick, stone and concrete. $700,000. R. H. Hunt & Co., Southwestern Life Bldg., engr. and archt. Noted Aug. 2.

Tex., Dallas—Hotel—Dallas Hotel Co., Akard and Commerce Sts., (Owners Adolphus Hotel), having plans prepared by A. Bossom, 680 5th Ave., New York, 22 story and basement, 50 x 100 ft., brick, concrete and steel, annex to Adolphus Hotel, also 2 story arcade entrance on Main St. leading to new structure. $1,000,000.

Tex., Dallas—Hotel—O. Herold and associates, Stonleigh Court, having preliminary plans prepared 34 story and basement, 1,000 rooms, Commerce and Akard Sts. $4,000,000. Engineer and architect not announced.

Tex., Ft. Worth—Library—Texas Christian University, E. M. Waite, pres., takes bids Apr. 10, 2 story and basement, brick, stone and concrete. $150,000. W. G. Clarkson, First Natl. Bank Bldg., archt. Noted Dec. 27.

Tex., Lubbock — Administration, etc. — Texas Technological College, A. Caeter, chn. Bd. Regents, Star Telegram Bldg., Ft. Worth, having plans prepared and takes bids Mar. 20, administration and chemical buildings, power house and presidents home. $850,000. Sanguinet, Staats & Hedrick, First Natl. Bank Bldg., Ft. Worth, archts.

Tex., San Antonio—Bank and Office—Commercial Loan & Trust Co., 303 North St. Marys St., plans bank and office, Travis and St. Marys Sts. $150,000. Engineer and architect not announced.

Tex., San Antonio—Home—Knights of Pythias plan 3 story, brick. $250,000. W. H. Herring, San Antonio, chn. building com.

Tex., San Antonio—Office—San Antonio Builders Exch., 206 Bedell Bldg., having plans prepared by G. Willis and E. Jackson, Chandler Bldg., 9 story and roof garden, rein.-con., brick and stone, St. Marys and Pecan Sts. $190,000. Noted Feb. 21.

Okla., Muskogee—Young Men's Christian Assn., c/o J. W. Stafford, genl. secy., 1606 Boston St., making preliminary plans rein.-con., brick and stone. Will mature in late fall or spring of 1925. Private plans.

Okla., Oklahoma City—Hotel—G. A. Nichols, Inc., 115 North Harvey St., making preliminary plans 6 story and basement, 50 x 70 ft. and 50 x 80 ft., rein.-con., brick and stone. $400,000. Private plans. Work will be done by day labor.

Okla., Tulsa—Church—Second Presbyterian Church, c/o W. H. Murphy, Jr., pastor, 2116 East Archer St., plans church, $150,000.

Buildings (Continued)

Okla., Tulsa—Garage and Sales Room—C. Z. Wiley, 1201 South Boston St., plans 3 story and basement, 100 x 140 ft., brick and stone, 12th and Boston Sts.

Ore., Portland—Theatre—E. A. Miller, archt., Henry Bldg., preparing plans and takes bids about Apr. 1, 3 story, 125 x 145 ft., rein.-con., plain foundation, Union Ave. and Russell St., for W. A. Graeper, Union Ave. and Russell St. $150,000.

Calif., Long Beach—Schools—City having preliminary plans prepared by W. H. and J. C. Austin, associates, Detwiler Bldg., Los Angeles, senior high school; by Davies & Baume, Farmers & Merchants Bldg., junior high school; by H. A. Anderson, Palace Theatre Bldg., Long Beach, and Allison & Allison, associated, Hibernian Bldg., Los Angeles, grammar school. Each to exceed $150,000.

Calif., Los Angeles—Schools—Election June 3, to vote on $34,640,000 bonds, elementary schools $19,360,000, high schools $15,280,000.

Calif., Los Angeles—School—University of Southern California, 3551 University Ave., having plans prepared by J. and D. Parkinson, Title Insurance Bldg., 3 story and basement, brick, science building. $175,000.

Calif., Los Angeles—Office and Store—J. Toplitsky, H. W. Hellman Bldg., representing owners, plans fireproof on 150 x 150 ft. site, Flower and 8th Sts. To exceed $150,000.

Calif., Los Angeles—Store and Loft—Morgan-Walls-Clements, archts., Van Nuys Bldg., preparing plans 12 story and basement, 50 x 90 ft., rein.-con. and brick, Bway. between 9th and 10th. Owner's name withheld.

Calif., Los Angeles—Store and Office—Sun Realty Co., 1116 Los Angeles St., having preliminary plans prepared by Curlett & Beelman, Union Bank Bldg., 10 or 12 story and basement, 100 x 150 ft., steel frame, Flower and 7th Sts.

Calif., Los Angeles—Warehouse—Tooker Storage Co. having plans prepared by W. J. Saunders, Laughlin Bldg., 4 story and basement, 150 x 165 ft., rein.-con., 11th and Lemon Sts. $300,000.

Calif., Oakland—Bank and Office—Central Natl. Bank, 14th and Bway., having preliminary plans prepared by G. W. Kelham, Sharon Bldg., San Francisco, Class A. $1,000,000. Noted Nov. 1.

Calif., San Francisco — Garage — California Garage Syndicate, c/o J. L. Stewart, archt., Claus Spreckels Bldg., having plans prepared, 10 story, basement and sub-basement, 155 x 300 ft. Class A, 4th St. near Jessie St. $2,500,000.

Calif., Santa Ana—School—Santa Ana School Dist. plans to vote on $250,000 bonds for fireproof school to replace Roosevelt School.

Calif., Santa Monica — Schools — Santa Monica City School Dist. having preliminary plans prepared by Allison & Allison, Hibernian Bldg., Los Angeles, addition to Adams Junior High School, $100,000, and addition to main high school, $150,000.

Calif., Watts (Branch of Los Angeles)—Schools—Watts School Dist. plans to vote on $650,000 bonds for high schools.

Ont., London — Collegiates — Bd. Educ. having plans prepared by L. E. Carrothers, c/o owner, 2 new brick collegiates, one in southern section of city and one other in eastern section. $750,000.

Ont., Ottawa — Home — St. Patricks Orphanis Home, Laurier Ave. W., takes bids in early spring, rein.-con. and brick addition, plain foundation, Gloucester St. $150,000. Architect not selected.

Ont., Port Arthur—Courthouse—Provincial Government, Parliament Bldg., Toronto, voted $220,000 for 2 or 3 story and basement, rein.-con., brick and steel, plain foundation, here. F. R. Heakes, Parliament Bldg., Toronto, archt.

Ont., Port Colborne—School—Bd. Educ. having plans prepared by N. A. Kearns, Welland, 2 story and basement, 8 room, rein.-con., brick and steel, plain foundation. $150,000.

Ont., Toronto — School—Bd. Educ. soon takes bids 2 story and basement, 8 room addition to Harbord Collegiate, rein.-con., brick and steel, plain foundation. $150,000. C. Dyson, 155 College St., archt.

Ont., Woodstock — Hospital — Provincial Government, Parliament Bldg., Toronto, voted $150,000 for 2 story and basement, rein.-con., brick and steel addition to Ontario Hospital, here. F. R. Heakes, Parliament Bldg., Toronto, archt.

BIDS DESIRED

R. I., Pawtucket—Church—W. F. Fontaine, archt., Woonsocket, taking bids 1 story and basement, 132 x 170 ft., for St. Jean de Baptiste Church. $350,000. A. Groton, pastor. Noted Jan. 17.

N. Y., Astoria (Long Island City, P. O.)—School—Apr. 8, by W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Brooklyn, P. S. 126, Van Alst Ave. from Lincoln to Carmelia Sts. extending through to Ely Ave., here, for Bd. Educ., 500 Park Ave., New York.

N. Y., Brooklyn—School—Mar. 25, by W. H. Gompert, archt., Flatbush Ave. extension and Concord St., P. S. 28, (2nd part), southerly side of Fulton St. 200 ft. westerly from Howard Ave., for Bd. Educ., 500 Park Ave., New York. Noted Aug. 16.

N. Y., Brooklyn — Schools — Apr. 8, by W. H. Gompert, archt., Flatbush Ave. extension and Concord St., P. S. 216, Ave. X from East 1st to West Sts.; P. S. 217, Newkirk Ave. from Westminster Rd. to Coney Island Ave.; P. S. 220, 9th Ave. from 48th to 49th Sts., for Bd. Educ., 500 Park Ave., New York.

N. Y., New York—Schools—Apr. 8, by W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Brooklyn, P. S. 82, West 176th St. from Macombs Rd. to Harrison Ave., also P. S. 83, Rhinelander Ave. from Radcliffe to Bogart Aves., Bronx Boro, here, for Bd. Educ., 500 Park Ave. Noted Feb. 21.

N. Y., Ozone Park (Howard Beach, P. O.)—School—Mar. 25, by W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Brooklyn, P. S. 96, Lincoln Ave. and Rockaway Rd., here, for Bd. Educ., 500 Park Ave., New York.

N. J., Newark—School—Mar. 27, by Bd. Educ., City Hall, Broad St., school for crippled children, Bloomfield Ave. and Ridge St. $168,000. J. Fred Cook, 9 Clinton St., archt.

Pa., Bloomsburg—Church and Sunday School—Mar. 21, by Trustees St. Matthews Lutheran Church, N. S. Wolf, pastor, 1 story and basement, 44 x 85 ft. and 2 story and basement, 56 x 101 ft., brick and stone, plain foundation, North Market St. $175,000. Ritter & Shay, North Amer. Bldg., Phila., archts.

Pa., Juniata—Church—Mar. 17, by J. W. Lees, pres. building com. of Presbyterian Church, 412 7th Ave., 2 story and basement, 100 x 120 ft. brick and stone, 7th Ave. $150,000. Hersh & Scholar, Commerce Bldg., Altoona, archts.

Pa., Mahanoy City—Theatre, Store and Office—Mar. 26, by Chamberlain Amusement Enterprise Inc., Shamokin, 3 story and basement, 70 x 161 ft., brick and steel, plain foundation, Main and Market Sts. $300,000. W. H. Lee, 1505 Race St., Phila., archt.

Pa., Phila.—Exchange—Mar. 15, by J. T. Windrim, archt., Commonwealth Bldg., 3 story and basement, 90 x 170 ft. brick and steel, plain foundation, Oak Lane, Broad St. and 65th Ave., for Bell Telephone Co., 17th St. and Parkway.

Pa., Upper Darby—Apartment and Store—W. L. Charr, archt., 149 South 4th St., Phila., taking bids on sub-contracts for 3 story and basement, 85 x 180 ft. brick and steel, plain foundation. Owner c/o architect.

Md., Baltimore — Hotel — Mar. 15, by Emerson Hotel, W. H. Parker, mgr., Calvert and Baltimore Sts., 16 story, 40 x 104 ft., brick and steel, plain foundation, Baltimore and Calvert Sts. $600,000. W. G. Beecher, 12 East Pleasant St., archt. Noted Nov. 29.

N. C., Greensboro—College—Mar. 25, by H. Barton, archt., Greensboro, 3 story, brick and limestone, for North Carolina College for Women. $200,000.

N. C., Wilson—Court House—Mar. 31, by Comrs. Wilson Co., 4 story and basement, 126 x 135 ft., court house and jail, concrete, steel and stone, Nash St. $400,000. F. A. Bishop, Petersburg, Va., archt. Noted Jan. 31.

O., Akron—City Hall—Apr. 1, by Bd. Control. 8 story and basement, South High St. at Bowery. $900,000.

O., Cleveland — Apartment — Atwater & Kaplan, 13807 St. Clair Ave., taking bids and open same about Mar. 21, 3 story and basement, 37 x 145 ft., brick and timber, 10662 Helena Ave. $165,000. M. Weis, 617 Union Bldg., archt.

O., Cleveland Heights (Warrensville P. O.)—Apartment — M. Wolk., 10718 Earle Ave., Cleveland, taking bids and opens same about Mar. 21, 3 story and basement, 100 x 150 ft., brick and timber, Mayfield and Coventry Rds., here. $250,000. M. Weis, 617 Union Bldg., Cleveland, archt.

O., Dayton—Hospital—Mar. 20, by Bd. Trustees Miami Valley Hospital, Apple St., 3 story and basement, rein.-con. and brick addition, plain foundation. $500,000. Pretzinger & Musselman, 1155 Reibold Bldg., archts.

O., Lakewood — Apartment — Urban Realty Co., c/o M. Levine, 817 Guardian Bldg., Cleveland, taking bids 3 story and basement, 90 x 140 ft., brick, Lake and Cook Aves., here. $275,000. Braverman & Havermaet, Ulmer Bldg., Cleveland, archts. Noted Jan. 17.

Mich., Detroit—Apartment—C. D. Lundblad, archt., 206 New Telegraph Bldg., taking bids and opens same about Mar. 15, 4 story and basement, 86 x 104 ft. brick and steel, plain foundation, Fairview Ave., for W. A. Montgomery, 1652 Penobscot Bldg. $175,000.

Mich., Detroit—Hotel—Mar. 18, by F. O. Varney, archt., 1422 Washington Blvd., 8 story and basement, 90 x 150 ft. rein.-con. brick and steel, plain foundation, Alexandrine St., for B. Braver, 271 Hendrie St. $400,000.

Mich., Mt. Clemens—School—Mar. 19, by F. Newberry, secy. Bd. Educ., Dist. 3, 2 story and basement, 12 rooms, rein.-con., brick and steel, plain foundation, Mack Ave. and Defer Rd. $160,000. B. E. Mills, 1305 Kresge Bldg., Detroit, archt.

Ill., Evanston—Apartment—R. F. France, archt., 155 North Clark St., Chicago, taking bids 3 story, fireproof, 1135 Oak Ave., here. $150,000. Owner c/o archt.

Wis., Kenosha—High School—Mar. 21, by H. Bothe, archt., 25 North Ridge St., 2 story and basement, brick and concrete, plain foundation, for Evangelical Friedens Lutheran Congregation, C. Buenger, 65 Ridge St., pastor. $150,000. Noted Mar. 6.

Wis., La Crosse—Church—Mar. 26, by Merman & Skogstad, archts., 20 Linker Bldg., superstructure 2 story, 50 x 116 ft., brick and tile, for Trinity Evangelical Lutheran Congregation, S. Roth, pastor, 1122 Ferry St. $150,000. Foundation in. Noted Jan. 24.

Wis., Oshkosh—Temple—Apr. 1, by Masonic Executive Com., c/o F. A. Fuller, 50 West Polk St., 4 story and basement, 90 x 100 ft., brick, tile and concrete, plain foundation. $250,000. Auler & Jensen, F. R. A. Bldg., archts. Noted Feb. 21.

Wis., Whitewater—School—Apr. 7, by Bd. Normal Regents, W. Kettle, secy., Madison, 4 story and basement, 90 x 120 ft., brick, rein.-con. and steel addition, plain foundation, here. $250,000. A. Peabody, State Capitol, Madison, archt. Noted Jan. 24.

Minn., St. Paul—High School—Mar. 25, by H. W. Austin, city purch. agt., 3 story and basement, 150 x 250 ft. with 2 story wing, rein.-con., brick and tile, Albert St. and Pascal Ave. $350,000. F. X. Tewes, City Hall, city archt. Noted Feb. 28.

Minn., St. Paul—School—Mar. 18, by H. W. Austin, city purch. agt., 2 story and basement, rein.-con., brick and tile, North St. Anthony Park, for Dept. Educ. $150,000. F. X. Tewes, City Hall, city archt.

Kan., Emporia—High School—Mar. 25, by Bd. Educ., junior high school, to exceed $150,000. N. Woods, clk. J. H. Felt & Co., Emporia, and 802 Grand Ave. Temple, Kansas City, Mo., archts. Noted Jan. 3.

Neb., Gordon—High and Grade School—Mar. 18, by Bd. Educ., 3 story and basement, 63 x 96 ft. $150,000. E. B. Watson, Norfolk, archt.

Neb., Lincoln — Asylum — Mar. 18, by State Bd. Control, 3 story and basement, 34 x 112 ft. concrete, brick and stone. Fiske & Meginnis, 533 Bankers Life Bldg., archts. Noted Jan. 24.

Tex., Abilene—Business—J. M. Alexander, Radford Bldg., taking bids 7 story and basement, 75 x 100 ft., brick and concrete, Pine St. $250,000. D. S. Castle & Co., Radford Bldg., archts.

BIDS RECEIVED

R. I., Slocum—Administration and Service—State Pub. Welfare Comn., Providence, 3 story, 70 x 200 ft., brick, plain foundation, at Exeter School, from C. B. Maguire Co., Grosvenor Bldg., Providence. $186,024. Archts. est. $200,000. Noted Feb. 28.

N. Y., Brooklyn—School—W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Mar. 7, general contract P. S. 214, Pitkin Ave., from Hayson Constr. Co., Arverne, $781,000, A deduct $18,000, B add $8,000. Noted Feb. 14.

N. Y., New York—School—W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Brooklyn, Mar. 7, general contract P. S. 77, Ward Ave., here, from P. J. Brennan & Son, 624 Madison Ave., $803,000, A deduct $19,500, B add $15,000. Noted Feb. 14.

N. J., Morris Plains—Dining Hall and Kitchen—B. G. Lewis, comr. Charities & Corrections, Trenton, Feb. 29, general con-

Buildings (Continued)

tract 5 story, 60 x 170 ft., for New Jersey State Hospital, here, from C. J. Smith Constr. Co., 202 Acadamy St., Trenton. $240,000. Noted Feb. 14.

D. C., Wash. — Library — Dist. Comrs., constructing public library from Schneider-Spleidt Co., Kellogg Bldg., $176,900.

O., Garfield Heights (near Cleveland)—School—Bd. Educ., Feb. 25, 2 story, 60 x 150 ft., brick, steel and concrete addition, from J. Grant & Son, 4500 Euclid Ave., Cleveland, $137,459. Noted Feb. 21.

Wis., Waupun—Refectory and Ward — State Bd. Control, Madison, 2 story and basement, brick and concrete, here, from J. P. Cullen & Son, 109 South Main St., Janesville, $135,321. Archts. est. $170,000. Noted Feb. 14.

Minn., Minneapolis—Dance Hall—Madrid Amusement Co., c/o Larson & McLaren, archts., 816 2nd Ave. S., 1 story and part basement, 170 x 200 ft., brick and terra cotta, Marquette Ave. between 11th and 12th Sts., general contract from R. S. Billingsley Co., 747 Plymouth Bldg. Total cost $150,000.

Calif., San Francisco—Hospital—Chinese Six Companies, 843 Stockton St., 4 story, rein.-con., Jackson and Trenton Sts., from Barrett & Hilp, 918 Harrison St., $144,701. Noted Feb. 7.

CONTRACTS AWARDED

Me., Portland—Apartment—C. W. Whitehead, Noyes St., 3 story, 80 x 80 ft., brick and steel, plain foundation, Noyes and Deering Sts., to F. A. Rumery Co., 21 Portland St. Archts. est. $250,000. Mar. 6.

R. I., Pawtucket—High School—School Com., 3 story and basement, 95 x 200 ft., brick and stone, Hancock St., to Rowley Constr. Co., 260 Central Ave. Archts. est. $600,000.

Conn., Hartford—Church—Central Baptist Church, 3 story and basement, brick, stone and steel, plain foundation, Main St., to H. Wales Lines Co., 134 State St., Meriden. Archts. est. $600,000. Noted Jan. 10.

N. Y., Brooklyn—Apartment—Machada Realty Corp., c/o McCarthy & Kelly, archts. and engrs., 159 Remsen St., will build 4 story, brick, steel and stone, plain foundation, Ocean Parkway, by day labor. $250,000.

N. Y., Brooklyn — Apartment — Trieb Building Co., c/o M. A. Cantor, archt. and engr., 371 Fulton St., will build 6 story, brick, steel and stone, plain foundation, Ocean Parkway and Ave. T, by day labor. $350,000.

N. Y., New York—Apartments—Harding Constr. Co., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build two 6 story, brick, steel and stone, plain foundations, 181st St. between Ft. Washington and Pinehurst Aves., by day labor. $300,000 each.

N. Y., New York—Apartments—Kaess & Doar, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build two 5 story, brick, steel and stone, plain foundations, Nelson Ave., by day labor. $200,000 each.

N. Y., New York—Apartment—F. Starkman, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 9 story, brick, steel and stone, plain foundation, West 11th St., by day labor. $600,000.

N. J., Paterson—Hotel—Guilbert & Betelle, archts. and engrs., 2 Lombardy St., Newark, brick, steel and stone, plain foundation, here, to John W. Ferguson, Union Bank Bldg., for Alexander Hamilton Hotel. Archts. est. $1,000,000. Noted Nov. 15.

N. J., Pleasantville—Bank and Office—Pleasantville Natl. Bank, 3 story and basement, 42 x 106 ft., steel and brick, plain foundation, to W. Sharrock, Somers Points.

Pa., Coraopolis—High School—Bd. Educ., 2 story and basement, 80 x 156 ft., to Gilpatrick-Dawson Co., Empire Bldg., Pittsburgh, $171,350.

Pa., Phila.—Apartment—Hoffman-Henon Co., archts., Finance Bldg., will build 8 story and basement, 50 x 60 ft. brick and steel, plain foundation, 19th and Delancey Sts. $300,000. Work will be done by separate contracts. Owner's name withheld. Noted Jan. 3.

Pa., Phila.—Art Museum—Comrs. Fairmount Park, Room 217, City Hall, constructing certain portions of Phila. Museum of Art, in Fairmount Park, with Ohio sandstone, to G. A. Fuller Co., Morris Bldg., $1,892,000. Noted Mar. 6.

Pa., Phila.—University Hall—Stewardson & Page, archts., 315 South 15th St., 4 story and basement, brick and steel, plain foundation, 34th and Walnut Sts., known as Bennett Hall, to W. R. Dougherty, 1608 Sansom St., for University of Pennsylvania, 34th and Spruce Sts., to exceed $600,000. Noted Jan. 17.

D. C., Brightwood (Wash. P. O.)—Church, Auditorium and School—Church of Nativity, church, auditorium and school, Georgia Ave. N. W., to C. J. Cassidy Co., 700 10th St. N.W., $176,900. Noted Feb. 28.

W. Va., Bluefield—Municipal—City, 3 story and basement, 120 x 140 ft., fireproof, general contract to H. V. Lucas, Bluefield, $186,000. Noted Feb. 7.

W. Va., Huntington—Apartment—A. S. Emmons, Emmons Apts., will build 3 story, 67 x 150 ft. addition, 3rd Ave. and 12th St., by day labor. $200,000. Meanor & Handloser, Professional Bldg., archts.

W. Va., Huntington — Court House — Cabell Co., 3 story and basement addition, to King Lumber Co., Charlottesville, Va. Est. cost $150,000. Noted Jan. 24.

N. C., Burlington — Hotel — Burlington Hotel Co., 6 story, rein.-con., brick and tile, to J. E. Beaman Constr. Co., Commercial Bank Bldg., Raleigh, $250,000. Noted Jan. 24.

Fla., Miami—C. W. Conderman, Delphos, O., 3 story, rein.-con. and hollow tile, Pennsylvania and 16th Sts., to G. Jahn, Miami, cost plus basis. Est. $160,000.

Tenn., Memphis—Arcade—Avenue Realty Co. 2 story and basement, brick and steel, Union and 2nd Sts., to F. J. Ozanne & Co., 1667 Glenview St, Noted Jan. 3.

Tenn., Nashville—Apartment—Washington Court Realty Co., 3 story and basement, 58 apartments of 3 and 4 rooms each, brick and hollow tile, Hillsboro St., foundation to J. Oman & Co., Chamber of Commerce Bldg.; cut stone to Tanksley Drumright Stone Co., 1111 North 1st St., brick work to W. S. Crandal, Nashville; carpentry to M. M. Graham & Co., 617 Commercial St.; plumbing and heating to W. H. Grewar Co., 144 8th Ave. Est. cost $325,000. Noted Jan. 10.

O., Cleveland—Apartment—A. H. Oyer and J. Blachman, Bangor Bldg., 3 story and basement, 44 x 206 ft., brick, 1932 East 97th St., to J. Miller, 10819 Drexel Ave. Archts. est. $700,000. Noted Feb. 14.

O., Columbus—Bank and Office—F. L. Packard, archt., 16 East Broad St., 4 story and basement (ultimately 12 story), 91 x 187½ ft., rein.-con. and brick, Gay and Pearl Sts., to R. H. Evans & Co., 8 East Long St., for Columbian Building & Loan Co., 22 East Gay St. $425,000. Noted Feb. 21.

O., Dayton—Apartment—Homes Constr. Co., Amer. Bldg., 4 story and basement, 150 x 150 ft., brick, concrete and terra cotta, plain foundation, Cambridge Ave., by day labor. $250,000.

O., Toledo—Museum—Toledo Museum of Art, Monroe St., wing addition, to A. Bentley & Sons Co., 201 Belmont Ave., $850,000.

Mich., Highland Park (Detroit, P. O.)—School—Bd. Educ., 2 story and basement, 110 x 140 ft. rein.-con., brick and steel, plain foundation, Cortland St. and 2nd Blvd., to Martin & Krausman Co., 606 Woodward Ave., Detroit. Archts. est. $200,000. Noted Feb. 14.

Ill., Belleville—Academy—School Sisters of Notre Dame, 3rd and Race Sts., 3 story and basement, 68 x 175 ft., 35 x 70 ft. and 45 x 75 ft., rein.-con., brick and stone, Rock Rd. and 62nd St., to V. J. Kluth, Syndicate Trust Bldg., St. Louis, Mo., $300,000. Noted June 7.

Ill., Chicago—Apartment—W. A. Conron, 77 West Washington St., 3 story, 100 x 261 ft., fireproof, 4721-29 Ellis St., to A. Lindstrom, 77 West Washington St. Archts. est. $175,000.

Ill., Chicago—Apartment—C. F. Henry, 7455 Greenview St., will build 3 story and basement, 145 x 250 ft., fireproof, Sunnyside and Malden Sts., by day labor. Archts. est. $700,000. R. F. France, 155 North Clark St., archt. Noted Dec. 27.

Ill., Chicago—Apartment—Sellen & Johnson, 4840 West Madison St., 3 story and basement, 100 x 155 ft., fireproof, 5000-08 West End Ave., to Anderson and Winblad, 6255 South Michigan St. Archts. est. $250,000.

Ill., Chicago—Apartment—J. Turnquist, 6207 Champlain St., 3 story, 120 x 180 ft., fireproof, 6849-59 Clyde St., to A. T. Herlin, 6117 Evans Ave. Archts. est. $150,000.

Ill., Chicago — Storage — Boston Store, State and Madison Sts., 8 story, 27 x 118 ft., fireproof, 1511 South State St., to Krahl Constr. Co., 350 North Clark St. Archts. est. $175,000.

Ia., Council Bluffs—Office—Park Building Corp., c/o Anderson & Spooner, archts., 27 South Main St., Omaha, Neb., 5 story and basement, 50 x 102 ft. rein.-con., brick and stone, here, general contract to J. E. Wakefield Co., 454 Brandeis Theater Bldg., Omaha, Neb., $137,400, total cost $175,000. Noted Nov. 22.

Ia., Sioux City—Hospital—St. Josephs Mercy Hospital, 5 story and basement, rein.-con., brick, tile and stone, 21st and Court Sts., general contract to J. H. Keefe Constr. Co., 406 United Bank Bldg., $194,980. Noted Mar. 6.

Neb., Beatrice — Dormitory — State Bd. Control, Lincoln, 2 story and basement, 94 x 133 ft. rein.-con., brick and stone, to E. S. Clarke, 303 East 6th St., York. Archts. est. $150,000.

S. D., Vermilion—Administration—Bd. Regents University of South Dakota, 4 story and basement, 74 x 105 ft., rein.-con., brick, tile and terra cotta, to Gray Constr. Co., Watertown, $202,367. Noted Feb. 7.

Mo., St. Louis—Theatre, Store and Office—W. Goldman, c/o Kings Theatre, 6 story, 146 x 188 ft., rein.-con., brick, stone, steel and terra cotta, Grand Blvd., general contract to Selden-Breck Constr. Co., Fullerton Bldg. Archts. est. $750,000. Noted Aug. 2.

Mo., University (St. Louis P. O.) — Church—First Church Christ Scientist, 2 story and basement, 80 x 120 ft., brick and stone, Delmar Blvd., to Humes-Deal Constr. Co., Century Bldg., St. Louis. Archts. est. $150,000.

Tex., Amarillo—Temple—Masonic Temple Assn., general contract 3 story and basement, 80 x 140 ft., concrete and brick, to Fred Bone Constr. Co., Amarillo. $200,000. Noted Feb. 7.

Ore., Klamath Falls — Apartment and Store—G. A. McCarthy, 3 story, 100 x 100 ft., 7th and Pine Sts., to W. A. Stevens, Klamath Falls, $150,000.

Ore., Marshfield—Store and Office—Coos Bay Building Corp., 5 story, 100 x 100 ft., to L. W. Metzger, Portland, $150,000. All sub contracts let.

Calif., Sacramento — College — Christian Brothers College, Martinez, two 2 story, brick and hollow tile, to W. Keating, Capitol Natl. Bank Bldg., $168,000. Noted Feb. 7.

Ont., Kingston — Womens Residence — Queens University, constructing womens residence, to Dickie Constr. Co., Ltd., Ryrie Bldg., Toronto, $175,000.

Japan, Tokio—Bank and Office—Mitsui & Co., Tokio, rein.-con. steel and stone, here, to J. Stewart & Co., 30 Church St., New York City, $7,500,000.

ROAD WORK—NEW YORK

Bids were opened by State Dept. Pub. Wks., Bureau of Highways, Albany, Feb. 5, for constructing Woodville-Bristol Springs Rd. and Bristol Springs-Cheshire Rd., Part 1, State Highways No. 8156, Ontario Co., from (A) Valerio Constr. Co., New Milford, Conn.; (awarded contract) (B) G. B. Dickinson, Syracuse; (C) F. Hanratty, 335 St. Anns Ave., New York. The unit bids were as follows:

	A	B	C
Clearing and grubbing (lump sum)	$3,500 00	$3,500 00	$2,500 00
190,000 cu.yd. unclassified excavation	80	83	1 00
30,000 sta. yd. overhaul	01	01	01
20 lin.ft. 10 in. vitrified clay pipe	1 00	1 00	1 00
6,000 lin.ft. 6 in. porous tile underdrain	30	30	25
600 lin.ft. relaying old pipe	20	20	10
1,150 lin.ft. 16 in. cast iron pipe	4 20	4 30	4 73
1,300 lin.ft. 20 in. cast iron pipe	5 80	6 00	6 60
100 cu.yd. riprap	3 00	3 00	3 00
6 M. ft. b.m. timber and lumber	75 00	60 00	100 00
4,000 bbl. portland cement	3 50	3 50	4 00
1,770 cu.yd. first-class concrete	9 80	10 00	10 00
860 cu.yd. second-class concrete	7 90	8 00	8 80
6,700 sq.yd. cobble gutter (sand joints)	1 00	1 00	85
37,000 lb. metal reinforcing for structures	10	08	05
2,300 lb. miscellaneous iron and steel	10	10	05
19,020 lin.ft. cable guide railing	1 15	1 00	50
50 guide signs (detour)	6 00	6 00	1 00
16,200 cu.yd. bottom course (run of bank gravel)	2 35	2 20	1 00
46,450 lin.ft. trimming road shoulders	10	10	10
500 cu.yd. screened gravel loose measure	3 45	3 00	2 45
500 cu.yd. run of bank gravel (L.N.)	2 00	2 00	1 00
Extended totals	$287,243	$287,420	$289,764

Buildings (Continued)

Okla., Tulsa—Garage and Sales Room—C. Z. Wiley, 1201 South Boston St., plans 3 story and basement, 100 x 140 ft., brick and stone, 12th and Boston Sts.

Ore., Portland—Theatre—E. A. Miller, archt., Henry Bldg., preparing plans and takes bids about Apr. 1, 3 story, 125 x 145 ft., rein.-con., plain foundation, Union Ave. and Russell St., for W. A. Graeper, Union Ave. and Russell St. $150,000.

Calif., Long Beach—Schools—City having preliminary plans prepared by W. H. and J. C. Austin, associates, Detwiler Bldg., Los Angeles, senior high school; by Davies & Baume, Farmers & Merchants Bldg., junior high school; by H. A. Anderson, Palace Theatre Bldg., Long Beach, and Allison & Allison, associated, Hibernian Bldg., Los Angeles, grammar school. Each to exceed $150,000.

Calif., Los Angeles—Schools—Election June 3, to vote on $34,640,000 bonds, elementary schools $19,360,000, high schools $15,280,000.

Calif., Los Angeles—School—University of Southern California, 3551 University Ave., having plans prepared by J. and D. Parkinson, Title Insurance Bldg., 3 story and basement, brick, science building. $175,000.

Calif., Los Angeles—Office and Store—J. Toplitsky, H. W. Hellman Bldg., representing owners, plans fireproof on 150 x 150 ft. site, Flower and 8th Sts. To exceed $150,000.

Calif., Los Angeles—Store and Loft—Morgan-Walls-Clements, archts., Van Nuys Bldg., preparing plans 12 story and basement, 50 x 90 ft., rein.-con. and brick, Bway. between 9th and 10th. Owner's name withheld.

Calif., Los Angeles—Store and Office—Sun Realty Co., 1116 Los Angeles St., having preliminary plans prepared by Curlett & Beelman, Union Bank Bldg., 10 or 12 story and basement, 100 x 150 ft., steel frame, Flower and 7th Sts.

Calif., Los Angeles—Warehouse—Tooker Storage Co. having plans prepared by W. J. Saunders, Laughlin Bldg., 4 story and basement, 150 x 165 ft., rein.-con., 11th and Lemon Sts. $300,000.

Calif., Oakland—Bank and Office—Central Natl. Bank, 14th and Bway., having preliminary plans prepared by G. W. Kelham, Sharon Bldg., San Francisco, Class A. $1,000,000. Noted Nov. 1.

Calif., San Francisco — Garage — California Garage Syndicate, c/o J. L. Stewart, archt., Claus Spreckels Bldg., having plans prepared, 10 story, basement and sub-basement, 155 x 300 ft. Class A, 4th St. near Jessie St. $2,500,000.

Calif., Santa Ana—School—Santa Ana School Dist. plans to vote on $250,000 bonds for fireproof school to replace Roosevelt School.

Calif., Santa Monica — Schools — Santa Monica City School Dist. having preliminary plans prepared by Allison & Allison, Hibernian Bldg., Los Angeles, addition to Adams Junior High School, $100,000, and addition to main high school, $150,000.

Calif., Watts (Branch of Los Angeles)—Schools—Watts School Dist. plans to vote on $650,000 bonds for high schools.

Ont., London — Collegiates — Bd. Educ. having plans prepared by L. E. Carrothers, c/o owner, 2 new brick collegiates, one in southern section of city and one other in eastern section. $750,000.

Ont., Ottawa — Home — St. Patricks Orphanage Home, Laurier Ave. W., takes bids in early spring, rein.-con. and brick addition, plain foundation, Gloucester St. $150,000. Architect not selected.

Ont., Port Arthur—Courthouse—Provincial Government, Parliament Bldg., Toronto, voted $220,000 for 2 or 3 story and basement, rein.-con., brick and steel, plain foundation, here. F. R. Heakes, Parliament Bldg., Toronto, archt.

Ont., Port Colborne—School—Bd. Educ. having plans prepared by N. A. Kearns, Welland, 2 story and basement, 8 room, rein.-con., brick and steel, plain foundation. $150,000.

Ont., Toronto — School—Bd. Educ. soon takes bids 2 story and basement, 8 room addition to Harbord Collegiate, rein.-con., brick and steel, plain foundation. $150,000. C. Dyson, 155 College St., archt.

Ont., Woodstock — Hospital — Provincial Government, Parliament Bldg., Toronto, voted $150,000 for 2 story and basement, rein.-con., brick and steel addition to Ontario Hospital, here. F. R. Heakes, Parliament Bldg., Toronto, archt.

BIDS DESIRED

R. I., Pawtucket—Church—W. F. Fontaine, archt., Woonsocket, taking bids 1 story and basement, 132 x 170 ft., for St. Jean de Baptiste Church. $350,000. A. Groton, pastor. Noted Jan. 17.

N. Y., Astoria (Long Island City, P. O.)—School—Apr. 8, by W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Brooklyn, P. S. 126, Van Alst Ave. from Lincoln to Carmelia Sts. extending through to Ely Ave., here, for Bd. Educ., 500 Park Ave., New York.

N. Y., Brooklyn—School—Mar. 25, by W. H. Gompert, archt., Flatbush Ave. extension and Concord St., P. S. 28, (2nd part), southerly side of Fulton St. 200 ft. westerly from Howard Ave., for Bd. Educ., 500 Park Ave., New York. Noted Aug. 16.

N. Y., Brooklyn — Schools — Apr. 8, by W. H. Gompert, archt., Flatbush Ave. extension and Concord St., P. S. 216, Ave. X from East 1st to West Sts.; P. S. 217, Newkirk Ave. from Westminster Rd. to Coney Island Ave.; P. S. 220, 9th Ave. from 48th to 49th Sts., for Bd. Educ., 500 Park Ave., New York.

N. Y., New York—Schools—Apr. 8, by W. H. Gompert, archt., Flatbush Ave, extension and Concord St., Brooklyn, P. S. 82, West 176th St. from Macombs Rd. to Harrison Ave., also P. S. 83, Rhinelander Ave. from Radcliffe to Bogart Aves., Bronx Boro, here, for Bd. Educ., 500 Park Ave. Noted Feb. 21.

N. Y., Ozone Park (Howard Beach, P. O.)—School—Mar. 25, by W. H. Gompert, archt., Flatbush Ave, extension and Concord St., Brooklyn, P. S. 96, Lincoln Ave. and Rockaway Rd., here, for Bd. Educ., 500 Park Ave., New York.

N. J., Newark—School—Mar. 27, by Bd. Educ., City Hall, Broad St., school for crippled children, Bloomfield Ave. and Ridge St. $168,000. J. Fred Cook, 9 Clinton St., archt.

Pa., Bloomsburg—Church and Sunday School—Mar. 21, by Trustees St. Matthews Lutheran Church, N. S. Wolf, pastor, 1 story and basement, 44 x 85 ft. and 2 story and basement, 56 x 101 ft., brick and stone, plain foundation, North Market St. $175,000. Ritter & Shay, North Amer. Bldg., Phila., archts.

Pa., Juniata—Church—Mar. 17, by J. W. Lees, pres. building com. of Presbyterian Church, 412 7th Ave., 2 story and basement, 100 x 120 ft. brick and stone, 7th Ave. $150,000. Hersh & Scholl, Commerce Bldg., Altoona, archts.

Pa., Mahanoy City—Theatre, Store and Office—Mar. 26, by Chamberlain Amusement Enterprise Inc., Shamokin, 3 story and basement, 70 x 161 ft., brick and steel, plain foundation, Main and Market Sts. $300,000. W. H. Lee, 1505 Race St., Phila., archt.

Pa., Phila.—Exchange—Mar. 15, by J. T. Windrim, archt., Commonwealth Bldg., 3 story and basement, 90 x 170 ft. brick and steel, plain foundation, Oak Lane, Broad St. and 65th Ave., for Bell Telephone Co., 17th St. and Parkway.

Pa., Upper Darby—Apartment and Store—W. L. Charr, archt., 149 South 4th St., Phila., taking bids on sub-contracts for 3 story and basement, 85 x 180 ft. brick and steel, plain foundation. Owner c/o architect.

Md., Baltimore — Hotel — Mar. 15, by Emerson Hotel, W. H. Parker, mgr., Calvert and Baltimore Sts., 16 story, 40 x 104 ft., brick and steel, plain foundation, Baltimore and Calvert Sts. $600,000. W. G. Beecher, 12 East Pleasant St., archt. Noted Nov. 29.

N. C., Greensboro—College—Mar. 25, by H. Barton, archt., Greensboro, 3 story, brick and limestone, for North Carolina College for Women. $200,000.

N. C., Wilson—Court House—Mar. 31, by Comrs. Wilson Co., 4 story and basement, 126 x 135 ft., court house and jail, concrete, steel and stone, Nash St. $400,000. F. A. Bishop, Petersburg, Va., archt. Noted Jan. 31.

O., Akron—City Hall—Apr. 1, by Bd. Control, 8 story and basement, South High St. at Bowery. $900,000.

O., Cleveland — Apartment — Atwater & Kaplan, 13807 St. Clair Ave., taking bids and open same about Mar. 21, 3 story and basement, 37 x 145 ft., brick and timber, 10662 Helena Ave. $165,000. M. Weis, 617 Union Bldg., archt.

O., Cleveland Heights (Warrensville P. O.)—Apartment — M. Wolk., 10718 Earle Ave., Cleveland, taking bids and opens same about Mar. 21, 3 story and basement, 100 x 150 ft., brick and timber, Mayfield and Coventry Rds., here. $250,000. M. Weis, 617 Union Bldg., Cleveland, archt.

O., Dayton—Hospital—Mar. 20, by Bd. Trustees Miami Valley Hospital, Apple St., 3 story and basement, rein.-con. and brick addition, plain foundation. $500,000. Pretzinger & Musselman, 1155 Reibold Bldg., archts.

O., Lakewood — Apartment — Urban Realty Co., c/o M. Levine, 817 Guardian Bldg., Cleveland, taking bids 3 story and basement, 90 x 140 ft., brick, Lake and Cook Aves., here. $275,000. Braverman & Havermaet, Ulmer Bldg., Cleveland, archts. Noted Jan. 17.

Mich., Detroit—Apartment—C. D. Lundblad, archt., 206 New Telegraph Bldg., taking bids and opens same about Mar. 15, 4 story and basement, 86 x 104 ft. brick and steel, plain foundation, Fairview Ave., for W. A. Montgomery, 1652 Penobscot Bldg. $175,000.

Mich., Detroit—Hotel—Mar. 18, by F. O. Varney, archt., 1422 Washington Blvd., 8 story and basement, 90 x 150 ft. rein.-con., brick and steel, plain foundation, Alexandrine St., for B. Braver, 271 Hendrie St. $400,000.

Mich., Mt. Clemens—School—Mar. 19, by F. Newberry, secy. Bd. Educ., Dist. 3, 2 story and basement, 12 rooms, rein.-con., brick and steel, plain foundation, Mack Ave. and Defer Rd. $160,000. B. E. Mills, 1305 Kresge Bldg., Detroit, archt.

Ill., Evanston—Apartment—R. F. France, archt., 155 North Clark St., Chicago, taking bids 3 story, fireproof, 1135 Oak Ave., here. $150,000. Owner c/o archt.

Wis., Kenosha—High School—Mar. 21, by H. Bothe, archt., 25 North Ridge St., 2 story and basement, brick and concrete, plain foundation, for Evangelical Friedens Lutheran Congregation, C. Buenger, 65 Ridge St., pastor. $150,000. Noted Mar. 6.

Wis., La Crosse—Church—Mar. 26, by Merman & Skogstad, archts., 20 Linker Bldg., superstructure 2 story, 50 x 116 ft., brick and tile, for Trinity Evangelical Lutheran Congregation, S. Roth, pastor, 1122 Ferry St. $150,000. Foundation in. Noted Jan. 24.

Wis., Oshkosh—Temple—Apr. 1, by Masonic Executive Com., c/o F. A. Fuller, 50 West Polk St., 4 story and basement, 90 x 100 ft., brick, tile and concrete, plain foundation. $250,000. Auler & Jensen, F. R. A. Bldg., archts. Noted Feb. 21.

Wis., Whitewater—School—Apr. 7, by Bd. Normal Regents, W. Kettle, secy., Madison, 4 story and basement, 90 x 120 ft., brick, rein.-con. and steel addition, plain foundation, here. $250,000. A. Peabody, State Capitol, Madison, archt. Noted Jan. 24.

Minn., St. Paul—High School—Mar. 25, by H. W. Austin, city purch. agt., 3 story and basement, 150 x 250 ft. with 2 story wing, rein.-con., brick and tile, Albert St. and Pascal Ave. $350,000. F. X. Tewes, City Hall, city archt. Noted Feb. 28.

Minn., St. Paul—School—Mar. 18, by H. W. Austin, city purch. agt., 2 story and basement, rein.-con., brick and tile, North St. Anthony Park, for Dept. Educ. $150,000. F. X. Tewes, City Hall, city archt.

Kan., Emporia—High School—Mar. 25, by Bd. Educ., junior high school, to exceed $150,000. N. Woods, clk. J. H. Felt & Co., Emporia, and 802 Grand Ave. Temple, Kansas City, Mo., archts. Noted Jan. 3.

Neb., Gordon—High and Grade School—Mar. 18, by Bd. Educ., 3 story and basement, 63 x 96 ft. $150,000. E. B. Watson, Norfolk, archt.

Neb., Lincoln — Asylum — Mar. 18, by State Bd. Control, 3 story and basement, 34 x 112 ft. concrete, brick and stone. Fiske & Meginnis, 533 Bankers Life Bldg., archts. Noted Jan. 24.

Tex., Abilene—Business—J. M. Alexander, Radford Bldg., taking bids 7 story and basement, 75 x 100 ft., brick and concrete, Pine St. $250,000. D. S. Castle & Co., Radford Bldg., archts.

BIDS RECEIVED

R. I., Slocum—Administration and Service—State Pub. Welfare Comn., Providence, 3 story, 70 x 200 ft., brick, plain foundation, at Exeter School, from C. B. Maguire Co., Grosvenor Bldg., Providence, $186,924. Archts. est. $200,000. Noted Feb. 28.

N. Y., Brooklyn—School—W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Mar. 7, general contract P. S. 214, Pitkin Ave., from Hayson Constr. Co., Arverne, $781,000, A deduct $18,000, B add $8,000. Noted Feb. 14.

N. Y., New York—School—W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Brooklyn, Mar. 7, general contract P. S. 77, Ward Ave., here, from P. J. Brennan & Son, 624 Madison Ave., $803,000, A deduct $19,500, B add $15,000. Noted Feb. 14.

N. J., Morris Plains—Dining Hall and Kitchen—B. G. Lewis, comr. Charities & Corrections, Trenton, Feb. 29, general con-

Buildings (Continued)

tract 5 story, 60 x 170 ft., for New Jersey State Hospital, here, from C. J. Smith Constr. Co., 202 Acadamy St., Trenton, $240,000. Noted Feb. 14.

D. C., Wash. — Library — Dist. Comrs., constructing public library from Schneider-Spleidt Co., Kellogg Bldg., $176,900.

O., Garfield Heights (near Cleveland)—School—Bd. Educ., Feb. 25, 2 story, 60 x 150 ft., brick, steel and concrete addition, from J. Grant & Son, 4500 Euclid Ave., Cleveland, $137,459. Noted Feb. 21.

Wis., Waupun—Refectory and Ward — State Bd. Control, Madison, 2 story and basement, brick and concrete, here, from J. P. Cullen & Son, 109 South Main St., Janesville, $135,321. Archts. est. $170,000. Noted Feb. 14.

Minn., Minneapolis—Dance Hall—Madrid Amusement Co., c/o Larson & McLaren, archts., 816 2nd Ave. S., 1 story and part basement, 170 x 200 ft., brick and terra cotta, Marquette Ave. between 11th and 12th Sts., general contract from R. S. Billingsley Co., 747 Plymouth Bldg. Total cost $150,000.

Calif., San Francisco—Hospital—Chinese Six Companies, 843 Stockton St., 4 story, rein.-con., Jackson and Trenton Sts., from Barrett & Hilp, 918 Harrison St., $144,701. Noted Feb. 7.

CONTRACTS AWARDED

Me., Portland—Apartment—C. W. Whitehead, Noyes St., 3 story, 80 x 80 ft., brick and steel, plain foundation, Noyes and Deering Sts., to F. A. Rumery Co., 21 Portland St. Archts. est. $250,000. Mar. 6.

R. I., Pawtucket—High School—School Com., 3 story and basement, 95 x 200 ft., brick and stone, Hancock St., to Rowley Constr. Co., 260 Central Ave. Archts. est. $600,000.

Conn., Hartford—Church—Central Baptist Church, 3 story and basement, brick, stone and steel, plain foundation, Main St., to H. Wales Lines Co., 134 State St., Meriden. Archts. est. $600,000. Noted Jan. 10.

N. Y., Brooklyn—Apartment—Machada Realty Corp., c/o McCarthy & Kelly, archts. and engrs., 159 Remsen St., will build 4 story, brick, steel and stone, plain foundation, Ocean Parkway, by day labor. $250,000.

N. Y., Brooklyn — Apartment — Trieb Building Co., c/o M. A. Cantor, archt. and engr., 371 Fulton St., will build 6 story, brick, steel and stone, plain foundation, Ocean Parkway and Ave. T, by day labor. $350,000.

N. Y., New York—Apartments—Harding Constr. Co., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build two 6 story, brick, steel and stone, plain foundations, 181st St. between Ft. Washington and Pinehurst Aves., by day labor. $300,000 each.

N. Y., New York—Apartments—Kaess & Doar, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build two 5 story, brick, steel and stone, plain foundations, Nelson Ave., by day labor. $200,000 each.

N. Y., New York—Apartment—F. Starkman, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 9 story, brick, steel and stone, plain foundation, West 11th St., by day labor. $600,000.

N. J., Paterson—Hotel—Guilbert & Betelle, archts. and engrs., 2 Lombardy St., Newark, brick, steel and stone, plain foundation, here, to John W. Ferguson, Union Bank Bldg., for Alexander Hamilton Hotel. Archts. est. $1,000,000. Noted Nov. 15.

N. J., Pleasantville—Bank and Office—Pleasantville Natl. Bank, 3 story and basement, 42 x 106 ft., steel and brick, plain foundation, to W. Sharrock, Somers Points.

Pa., Coraopolis—High School—Bd. Educ., 2 story and basement, 80 x 156 ft., to Gilpatrick-Dawson Co., Empire Bldg., Pittsburgh, $171,350.

Pa., Phila.—Apartment—Hoffman-Henon Co., archts., Finance Bldg., will build 8 story and basement, 50 x 60 ft. brick and steel, plain foundation, 19th and Delancey Sts. $300,000. Work will be done by separate contracts. Owner's name withheld. Noted Jan. 3.

Pa., Phila.—Art Museum—Comrs. Fairmount Park, Room 217, City Hall, constructing certain portions of Phila. Museum of Art, in Fairmount Park, with Ohio sandstone, to G. A. Fuller Co., Morris Bldg., $1,892,000. Noted Mar. 6.

Pa., Phila.—University Hall—Stewardson & Page, archts., 315 South 15th St., 4 story and basement, brick and steel, plain foundation, 34th and Walnut Sts., known as Bennett Hall, to W. R. Dougherty, 1608 Sansom St., for University of Pennsylvania, 34th and Spruce Sts., to exceed $600,000. Noted Jan. 17.

D. C., Brightwood (Wash. P. O.)—Church, Auditorium and School—Church of Nativity, church, auditorium and school, Georgia Ave. N. W., to C. J. Cassidy Co., 700 10th St. N.W., $176,900. Noted Feb. 28.

W. Va., Bluefield—Municipal—City, 3 story and basement, 120 x 140 ft., fireproof, general contract to H. V. Lucas, Bluefield, $186,000. Noted Feb. 7.

W. Va., Huntington—Apartment—A. S. Emmons, Emmons Apts., will build 3 story, 67 x 150 ft. addition, 3rd Ave. and 12th St., by day labor. $200,000. Meanor & Handloser, Professional Bldg., archts.

W. Va., Huntington — Court House — Cabell Co., 3 story and basement addition, to King Lumber Co., Charlottesville, Va. Est. cost $150,000. Noted Jan. 24.

N. C., Burlington — Hotel — Burlington Hotel Co., 6 story, rein.-con., brick and tile, to J. E. Beaman Constr. Co., Commercial Bank Bldg., Raleigh, $250,000. Noted Jan. 24.

Fla., Miami—C. W. Conderman, Delphos, O., 3 story, rein.-con. and hollow tile, Pennsylvania and 16th Sts., to G. Jahn, Miami, cost plus basis. Est. $160,000.

Tenn., Memphis—Arcade—Avenue Realty Co. 2 story and basement, brick and steel, Union and 2nd Sts., to F. J. Ozanne & Co., 1667 Glenview St. Noted Jan. 3.

Tenn., Nashville—Apartment—Washington Court Realty Co., 3 story and basement, 58 apartments of 3 and 4 rooms each, brick and hollow tile, Hillsboro St., foundation to J. Oman & Co., Chamber of Commerce Bldg.; cut stone to Tanksley Drumright Stone Co., 1111 North 1st St., brick work to W. S. Crandal, Nashville; carpentry to M. M. Graham & Co., 617 Commercial St.; plumbing and heating to W. H. Grewar Co., 144 8th Ave. Est. cost $325,000. Noted Jan. 10.

O., Cleveland—Apartment—A. H. Oyer and J. Blachman, Bangor Bldg., 3 story and basement, 44 x 206 ft., brick, 1932 East 97th St., to J. Miller, 10819 Drexel Ave. Archts. est. $700,000. Noted Feb. 14.

O., Columbus—Bank and Office—F. L. Packard, archt., 16 East Broad St., 4 story and basement (ultimately 12 story), 91 x 187½ ft., rein.-con. and brick, Gay and Pearl Sts., to R. H. Evans & Co., 8 East Long St., for Columbian Building & Loan Co., 22 East Gay St. $425,000. Noted Feb. 21.

O., Dayton—Apartment—Homes Constr. Co., Amer. Bldg., 4 story and basement, 150 x 150 ft., brick, concrete and terra cotta, plain foundation, Cambridge Ave., by day labor. $250,000.

O., Toledo—Museum—Toledo Museum of Art, Monroe St., wing addition, to A. Bentley & Sons Co., 201 Belmont Ave., $850,000.

Mich., Highland Park (Detroit, P. O.)—School—Bd. Educ., 2 story and basement, 110 x 140 ft. rein.-con., brick and steel, plain foundation, Cortland St. and 2nd Blvd., to Martin & Krausman Co., 606 Woodward Ave., Detroit. Archts. est. $200,000. Noted Feb. 14.

Ill., Belleville—Academy—School Sisters of Notre Dame, 3rd and Race Sts., 3 story and basement, 68 x 175 ft., 35 x 70 ft. and 45 x 75 ft., rein.-con., brick and stone, Rock Rd. and 62nd St., to V. J. Kluth, Syndicate Trust Bldg., St. Louis, Mo., $300,000. Noted June 7.

Ill., Chicago—Apartment—W. A. Conron, 77 West Washington St., 3 story, 100 x 261 ft., fireproof, 4721-29 Ellis St., to A. Lindstrom, 77 West Washington St. Archts. est. $175,000.

Ill., Chicago—Apartment—C. F. Henry, 7455 Greenview St., will build 3 story and basement, 145 x 250 ft., fireproof, Sunnyside and Malden Sts., by day labor. Archts. est. $700,000. R. F. France, 155 North Clark St., archt. Noted Dec. 27.

Ill., Chicago—Apartment—Sellen & Johnson, 4840 West Madison St., 3 story and basement, 100 x 155 ft., fireproof, 5000-08 West End Ave., to Anderson and Winblad, 6255 South Michigan St. Archts. est. $250,000.

Ill., Chicago—Apartment—J. Turnquist, 6207 Champlain St., 3 story, 120 x 180 ft., fireproof, 6849-59 Clyde St., to A. T. Herlin, 6117 Evans Ave. Archts. est. $150,000.

Ill., Chicago — Storage — Boston Store, State and Madison Sts., 8 story, 27 x 118 ft., fireproof, 1511 South State St., to Krahl Constr. Co., 350 North Clark St. Archts. est. $175,000.

Ia., Council Bluffs—Office—Park Building Corp., c/o Anderson & Spooner, archts., 27 South Main St., Omaha, Neb., 5 story and basement, 50 x 102 ft. rein.-con., brick and stone, here, general contract to J. E. Wakefield Co., 454 Brandeis Theater Bldg., Omaha, Neb., $137,400, total cost $175,000. Noted Nov. 22.

Ia., Sioux City—Hospital—St. Josephs Mercy Hospital, 5 story and basement, rein.-con., brick, tile and stone, 21st and Court Sts., general contract to J. H. Keefe Constr. Co., 406 United Bank Bldg., $194,980. Noted Mar. 6.

Neb., Beatrice — Dormitory — State Bd. Control, Lincoln, 2 story and basement, 94 x 133 ft. rein.-con., brick and stone, to E. S. Clarke, 303 East 6th St., York. Archts. est. $150,000.

S. D., Vermilion—Administration—Bd. Regents University of South Dakota, 4 story and basement, 74 x 105 ft., rein.-con., brick, tile and terra cotta, to Gray Constr. Co., Watertown, $202,367. Noted Feb. 7.

Mo., St. Louis—Theatre, Store and Office—W. Goldman, c/o Kings Theatre, 6 story, 146 x 188 ft., rein.-con., brick, stone, steel and terra cotta, Grand Blvd., general contract to Selden-Breck Constr. Co., Fullerton Bldg. Archts. est. $750,000. Noted Aug. 2.

Mo., University (St. Louis P. O.) — Church—First Church Christ Scientist, 2 story and basement, 80 x 120 ft., brick and stone, Delmar Blvd., to Humes-Deal Constr. Co., Century Bldg., St. Louis. Archts. est. $150,000.

Tex., Amarillo—Temple—Masonic Temple Assn., general contract 3 story and basement, 80 x 140 ft., concrete and brick, to Fred Bone Constr. Co., Amarillo. $200,000. Noted Feb. 7.

Ore., Klamath Falls — Apartment and Store—G. A. McCarthy, 3 story, 100 x 100 ft., 7th and Pine Sts., to W. A. Stevens, Klamath Falls, $150,000.

Ore., Marshfield—Store and Office—Coos Bay Building Corp., 5 story, 100 x 100 ft., to L. W. Metzger, Portland, $150,000. All sub contracts let.

Calif., Sacramento — College — Christian Brothers College, Martinez, two 2 story, brick and hollow tile, to W. Keating, Capitol Natl. Bank Bldg., $168,000. Noted Feb. 7.

Ont., Kingston — Womens Residence — Queens University, constructing womens residence, to Dickie Constr. Co., Ltd., Ryrie Bldg., Toronto, $175,000.

Japan, Tokio—Bank and Office—Mitsui & Co., Tokio, rein.-con. steel and stone, here, to J. Stewart & Co., 30 Church St., New York City, $7,500,000.

ROAD WORK—NEW YORK

Bids were opened by State Dept. Pub. Wks., Bureau of Highways, Albany, Feb. 5, for constructing Woodville-Bristol Springs Rd. and Bristol Springs-Cheshire Rd., Part 1, State Highways No. 8156, Ontario Co., from (A) Valerio Constr. Co., New Milford, Conn.; (awarded contract) (B) G. B. Dickinson, Syracuse; (C) F. Hanratty, 335 St. Anns Ave., New York. The unit bids were as follows:

	A	B	C
Clearing and grubbing (lump sum)	$3,500 00	$3,500 00	$2,500 00
190,000 cu.yd. unclassified excavation	80	83	1 00
30,000 sta. yd. overhaul	01	01	01
20 lin.ft. 10 in. vitrified clay pipe	1 00	1 00	1 00
6,000 lin.ft. 6 in. porous tile underdrain	30	30	25
600 lin.ft. relaying old pipe	20	20	10
1,150 lin.ft. 16 in. cast iron pipe	4 20	4 30	4 73
1,300 lin.ft. 20 in. cast iron pipe	5 80	6 00	6 60
100 cu.yd. riprap	3 00	3 00	3 00
6 M. ft. b.m. timber and lumber	75 00	60 00	100 00
4,000 bbl. portland cement	3 50	3 50	4 00
1,770 cu.yd. first-class concrete	9 80	10 00	10 00
860 cu.yd. second-class concrete	7 90	8 00	8 80
6,700 sq.yd. cobble gutter (sand joints)	1 00	1 00	85
37,000 lb. metal reinforcing for structures	10	08	05
2,300 lb. miscellaneous iron and steel	10	10	05
19,020 lin.ft. cable guide railing	1 15	1 00	50
50 guide signs (detour)	6 00	6 00	1 00
16,200 cu.yd. bottom course (run of bank gravel)	2 35	2 20	1 00
46,450 lin.ft. trimming road shoulders	10	10	10
500 cu.yd. screened gravel loose measure	3 45	3 00	2 45
500 cu.yd. run of bank gravel (L.N.)	2 00	2 00	1 00
Extended totals	$287,243	$287,420	$289,764

Federal Government Work

PROPOSED WORK

Ky., Addison—Lumber—U. S. Engineer, P. O. Box 72, Louisville, takes bids about Mar. 18, 820 pieces or 190,000 ft. 12 x 12 in. x 18 ft. yellow pine for Dam 46.

Ky., Louisville—Steel Boat Hulls—U. S. Engineer, P. O. Box 72, takes bids about Apr. 10, 5 steel maneuver boat hulls, one for Louisville, one for Fernbank, and three for Marietta, O.

BIDS DESIRED

R. I., Providence—Dredging—Apr. 12, at U. S. Engineer office, Providence, dredging in Providence River and Harbor; adv. E. N.-R. Mar. 13.

N. Y., New York—Dredging—Apr. 4, by U. S. Engineer, Army Bldg., dredging 200,000 sq.yd. soft materials, and 2,000 cu.yd. rock removal in Hackensack River, N. J.

D. C., Wash.—Mar. 28, by Treasury Dept., Supervising Architects Office, change and repairs to plumbing system in Treasury Building.

Ala., Florence—Steel Gates—Apr. 22, by U. S. Engineer, Florence, furnishing and erecting 58 structural steel regulating gates for Wilson Dam, Tennessee River, near here; adv. E. N.-R. Mar. 13.

Ky., Louisville—Apr. 8, by U. S. Engineer, P. O. Box 72, 75,000 bbl. cement for Dams 44, 45 and 46, Ohio River; adv. E. N.-R. Mar. 13.

O., Cincinnati — Cement — Mar. 20, by U. S. Engineer, furnishing 6,200 bbl. cement.

Mich., Midland—Post Office—Mar. 26, by Treas. Dept. at office Supervising Architects, Wash., D. C., 1 story, 62 x 64 ft. brick and tile, here.

Ia., Knoxville — Laundry Equipment — Mar. 25, at office Constructing Quartermaster, Knoxville, removing laundry equipment from old building, reconditioning and installing in new building.

Tex., Orange—Post Office—Apr. 4, by Treas. Dept. at office Supervising Architect, Wash., D. C., 1 story, 54 x 82 ft. brick, here.

Ore., Portland—Roads—Mar. 19, by C. H. Purcell, dist. engr., Bureau Pub. Rds., U. S. Dept. Agriculture, 316 New Post Office Bldg., Portland, constructing 24.8 mi. Austin-Unity National Forest Rd. in Grant and Baker Counties.

BIDS RECEIVED

Minn., Duluth—Dump Scow—U. S. Engineer, one steel dump scow, from Marine Iron & Shipbuilding Corp., 11th Ave. W., $45,948. Noted Jan. 31.

CONTRACTS AWARDED

N. C., Huntington — Steel Snagboat — U. S. Engineer Office, War Dept., Wash., D. C., 90 ft. steel, steam snagboat, to Charleston Dry Dock & Machine Co., 106 Concord St., Charleston, S. C., $75,930.

Miss., Gulfport—Breakwater—U. S. Engineer, Mobile, Ala., pile and stone breakwater here, to L. F. Alexander, Inc., 830 Audubon Rd., New Orleans, $53,472. Noted Jan. 24.

Ky., Louisville—Crib Timbers—U. S. Engineer, P. O. Box 72, furnishing 411 pieces 10 x 12 in. x 20 ft. and 120 pieces 10 x 12 in. x 30 ft. crib timbers, to Green Bros., Falls-of-Rough, $46.50 per M. Noted Feb. 28.

Ky., Owensboro—Lumber—U. S. Engineer, P. O. Box 72, Louisville, furnishing 7,920 pieces or 350,000 ft. 2 x 12 in. yellow pine, in 16, 18, 20 and 24 lengths, to Marsh & Truman Lumber Co., 332 South Michigan Ave., Chicago, $35.45 per M. Noted Mar. 6.

Ky., Owensboro—Soft Steel Bars—U. S. Engineer, P. O. Box 72, Louisville, furnishing 3,200 soft steel round bars, ⅞ in. diam., 22 ft. long, for Dam 46, Ohio River, to Bourne-Fuller Co., 1105 Union Trust Bldg., Cincinnati, O., $2.81 per 100 lb. Noted Feb. 28.

O., Middletown — Mailing Vestibule — Treas. Dept., Wash., D. C., new mailing vestibule, here, to W. MacDonald Constr. Co., St. Louis, Mo., $7,914.

Wis., Milwaukee—Cement—U. S. Engineer, Milwaukee, furnishing 13,500 bbl. portland cement to W. H. Pipkorn Co., 1211 Humboldt St., $36,720. Noted Feb. 28.

Wis., Milwaukee—Steel—U. S. Engineer, 672,400 lb. reinforcing steel to Calumet Steel Co., 208 South LaSalle St., Chicago, $15,655. Noted Feb. 28.

Wash., American Lake—Laundry—U. S. Veterans' Bureau, Room 791, Arlington Bldg., Wash., D. C., laundry building at Veterans' Hospital 94, to E. A. Francis Constr. Co., Seattle, $16,527. Noted Jan. 24.

Ore., Portland—Stone—U. S. Engineer, War Dept., Wash., D. C., furnishing stone for jetties to Hauser Constr. Co., Henry Bldg., $859,420.

Unclassified

PROPOSED WORK

Transmission Line—New York—Power Corp. of New York, Northern New York Trust Co. Bldg., Watertown, had surveys and plans prepared for double 3-phase high tension transmission line on steel towers from Boonville to Rome, approximately 24 mi. W. Creager, c/o owner, ch. engr.

Wharves, etc.—Sacket Harbor, N. Y.—Standard Oil Co. of New York, 26 Bway., New York City, purchased site here, incl. railroad and lake frontage, and plans wharves, breakwater, rail facilities, storage tanks, etc., for complete storage system. To exceed $200,000.

Electric Facilities, etc.—Syracuse, N. Y.—Pub. Serv. Comn. gave approval to merger of Syracuse Lighting Co., 421 South Warren St., and Onondaga Utilities Co., will expend $1,546,455 for improvements to existing electric facilities and $3,409,278 for gas service. Involved in new program is new electric plant for this city and new gas plant to meet needs of increased service. J. C. DeLong, pres. Syracuse Lighting Co.

Pier—Point Marion, Pa.—McClain Sand Co. plans timber and stone pier, 225 ft. long, 25 ft. wide, here. J. Cubbage, c/o owner, engr.

Sea Wall — Waveland, Miss. — Election Mar. 20, $50,000 bonds for sea wall along entire length of town. Bd. Supervs. Hancock Co. voted to assist.

Canal — Louisiana — Louisiana Gravity Canal, c/o W. Bradford, pres. Alexandria, having preliminary plans prepared for 255 mi. canal connecting Red and Calcasieu Rivers, 138 mi. through old beds of Red River, and 117 mi. through open table lands, excav. 9 ft. average, embankments 9-11 ft. high, 50 ft. wide at bottom, and five 110,020 hp. hydro-electric power plants, and 5 reservoirs to hold 1,866,040 acre ft. of water. $8,700,000. Private plans.

Asphalt Plant — Detroit, Mich. — Dept. Pub. Wks., City Hall, having plans prepared enlarging city asphalt plant to 6,000 sq.yd. daily capacity, Leib St. $150,000. G. Jerome, city engr.

Playgrounds—Kenosha, Wis.—Park Bd. F. A. Carlson, dir., plans dredging lagoons, building concrete walks, etc., on Washington Island for playgrounds. $25,000.

Street Lighting—Platteville, Wis.—City plans ornamental street lighting in main sections. $25,000. J. J. Stephenson, clk. Engineer not selected.

Hydro-Electric Development — Cannon Falls, Minn.—Cannon River Hydro-Electric Co. plans development in Cannon River, 3 mi. below here. Project will include dam and turbine. $250,000. J. H. A. Brahtz, 409 Metropolitan Opera House Bldg., St. Paul, engr.

Grain Elevator—Kansas City, Mo.—Washburn-Crosby Co., 1010 New York Life Bldg., plans rein.-con. grain elevator, 750,000 bu. capacity, 18 storage tanks, adjoining present plant. W. H. Bovey, Chamber of Commerce Bldg., Minneapolis, Minn., dir.

Lighting System—St. Joseph, Mo.—Election soon $500,000 bonds street lighting system. W. K. Seitz, city engr.

Flood Protection—Newport, Ark.—Cache River D. D. making plans flood protection and drainage of 100,000 acres, Jackson and Poinsett Counties. Bowman Eng. Co., Newport, engr. Morgan Eng. Co., Goodwyn Institute, Memphis, Tenn., consult. engrs.

Pipeline — Texas — McCorkle Pipe Line Co., W. T. Waggoner Bldg., Ft. Worth, plans interstate pipe line from Aransas Pass to Duncan Okla., financed and plans made for north Texas and Oklahoma main line and laterals, plans in progress lines south of Ft. Worth, Aransas Pass to San Antonio, double 10 in. main line with 8 in. line north of San Antonio, 6 in. to Luling and 8 in. to Laredo fields. Large refinery also planned for Aransas Pass. $1,500,000 plus. J. Prince, c/o owner, engr.

Transmission Lines—Welcetka, Okla.—See "Industrial Works."

Transmission Line—Tacoma, Wash.—See "Material and Equipment," under "Bids Desired."

Speedway—Los Angeles, Calif.—Los Angeles Speedway Assn., Chapman Bldg., plans board bowl type speedway. To exceed $350,000.

Transmission Line — Ontario — Great Northern Power Co., New Liskeard, plans branch electric power transmission line from their Porcupine power line to Elk Lake, 15 mi. long. $25,000. Sutcliffe & Neelands, New Liskeard, engrs.

Transmission Line — Ontario — Light & Power Comn., Orillia, having plans prepared transmission line from Orillia to power house at Swift Rapids. $40,000. R. H. Starr, c/o owner, engr.

Drilling Wells—Dutton, Ont.—Callaghan & Browett, Wallacetown, plan to drill wells near here. $35,000. Prices wanted on all equipment.

Drilling Wells—Inglewood, Ont.—Sparks & Anderson, Oil Springs, plan to drill for oil and gas near here. $30,000. Prices wanted on all equipment.

Ornamental Lighting System—Kitchener, Ont.—City Council plans ornamental lighting system on King St. $35,000. S. Shupe, city engr.

Dock—Midland, Ont.—Dept. Pub. Wks., Parliament Bldg., Ottawa, plans dock and dredging work in Midland Harbor. $500,000. K. M. Cameron, ch. engr.

Car Barns—Ottawa, Ont.—J. A. Ewart, archt., Jackson Bldg., soon takes bids rein.-con., brick and steel car barns, plain foundation, Cobourg St., for Ottawa Electric Ry. Co., Bank St., $100,000.

Harbor Improvements—Toronto, Ont.—Harbor Comn., Harbor Bldg., plans to expend $500,000 improving harbor, concrete retaining walls, dredging and hydraulic filling. E. L. Cousins, Harbor Bldg., constr. engr.

BIDS DESIRED

Subway Entrance—New York, N. Y.—Mar. 14, by Transit Comn., 49 Lafayette Ave., additional entrance to Mott Haven Station of 7th Ave.-Lexington Ave. Rapid Transit R.R., Mott Ave. and 138th St., Bronx Boro, Agreement "CB." G. McAneny, chn.

Jetty—Belmar, N. J.—Mar. 25, by Boro Council, 600 ft. stone jetty with 100 ft. running shore line, 15,000 tons stone boulders piled on one side. $100,000. C. W. Staniford, 50 Church St., New York City, engr.; adv. E. N.-R., Mar. 13.

Swimming Pool—Two Rivers, Wis.—Bd. Educ. taking bids swimming pool, swimming pool room and bleachers, shower rooms, lockers, etc. $25,000. J. D. Chubb, 109 North Dearborn St., Chicago, engr.

Tanks—Cementville (San Antonio P. O.) Tex.—San Antonio Portland Cement Co. taking bids 10 rein.-con. tanks, 20 x 50 ft. high. $100,000. W. E. Simpson, N. B. C. Bldg., San Antonio, engrs.

Electroller System—Fresno, Calif.—City Council receiving bids 258 electroliers on portion Ventura, Mono, Inyo, C Sts., etc. W. Stranahan, city engr. Noted Feb. 28.

Transit Sheds—Los Angeles, Calif.—Mar. 21, by Los Angeles City Harbor Comn., Byrne Bldg., sheds, steel frame, creosoted pile foundations, Mormon Channel. $200,000. J. W. Ludlow, Byrne Bldg., engr. Noted Mar. 6.

CONTRACTS AWARDED

Transmission Line, etc. — New York — Twin State Gas & Electric Co., Hoosick Falls Div., will build 3 mi. high tension transmission line from power plant at Hoosick Junction to Eagle Bridge with distribution lines in Eagle Bridge, by force account under supervision of L. C. White, mgr. $35,000-$40,000. Noted Feb. 28.

Grain Elevator — Minneapolis, Minn. — Spencer Kellogg & Sons, 1221 Flour Exch. Bldg., grain elevator, 450,000 bu. capacity, storage tanks, 80 ft. high, 25th Ave. S. E. and 4th St., to Fegles Constr. Co., 706 1st Ave. N.

Stadium—Minneapolis, Minn.—University of Minnesota, 520 x 550 ft. rein.-con. masonry exterior, 50,000 seating capacity, to J. Leck, 211 South 11th St., $537,762. Noted Feb. 14.

Amusement Park—Dallas, Tex.—Fairyland Amusement Co. will build amusement park, by day labor; 2,000,000 ft. lumber, to Davis-Johnson Lumber Co., Magnolia Bldg., $100,000. Noted Dec. 13.

Foundation—Leon Junction, Tex.—See "Industrial Works" under Proposed Work.

Material and Equipment

PROPOSED WORK

Asphalt Binder Mixture, etc.—New York, N. Y.—J. Miller, pres. Manhattan Boro, Municipal Bldg., rejected bids Feb. 25, 400 cu.yd. asphalt binder mixture and 600 cu. yd. asphalt wearing surface mixture. Noted Feb. 28.

Traveling Crane—Newton, Kan.—See "Industrial Works."

Drag Line Shovel — Clarksburg, Calif.—Holland Land Co. plans to purchase drag line shovel for ditch work. I. H. Smith, Clarksburg, engr.

Concrete Pipe—Delhi, Calif.—Delhi Land Settlement Colony plans to purchase 8, 10 and 12-in. concrete pipe. $25,000. C. M. Wooster, Phelan Bldg., San Francisco, engr.

Pipe—Glendale, Calif.—City plans to purchase 18,000 ft. 4 in., 18,000 ft. 6 in., 12,000 ft. 8 in. and 7,000 ft. 12 in. Class B c.i. pipe, also 60 tons Class B c.i. fittings. A. J. Vanwye, clk.

Road Machinery—Los Angeles, Calif.—City plans to purchase 8 ton gas road roller and trailer.

Transformer — Essex, Ont. — Provincial Government, Toronto, voted $200,000 to install transformer in substation here, for Hydro Electric Power Comn. of Ontario, 190 University Ave., Toronto, $200,000.

BIDS DESIRED

Road Scraper, etc.—Castleton, Vt.—Town in market for 1 road scraper, 1 steam or compressed air rock drill. C. A. Beach, comr.

Steam Roller—Gardner, Mass.—Highway Dept. in market for steam roller for road building. C. P. Pearson, mayor.

Paving Blocks—New York, N. Y.—Mar. 18, by F. W. Buckley, comr. Purchase, Municipal Bldg., creosoted wood paving blocks to Dept. Plant & Structures.

Steam Boiler Ashes—New York, N. Y.—Mar. 18, by H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., 4,000 cu.yd. hard coal clean steam boiler ashes.

Track Materials — New York, N. Y. — Mar. 21, by Transit Comn., 48 Lafayette St., supply of track materials (Order 6) for use in construction of Rapid Transit Railroads. G. McAneny, chn.

Asphalt Cold Mix—Evansville, Ind.—Mar. 26, by Bd. Pub. Wks., 200 bbl. asphalt cold mix for street repairs.

Lumber—Milwaukee, Wis.—Mar. 17, by Central Bd. Purchases, 5,500 ft. creosoted yellow pine fencing, 23,500 ft. yellow pine lumber, 1,233 pieces yellow pine plank and 53,700 ft. oak plank. $8,000-$9,000.

Road Oil, Pipe, Crushed Rock, etc.—Minneapolis, Minn.—Mar. 24, by A. P. Erickson, aud. Hennepin Co., 200,000 gal. road oil; 800 lin.ft. 12- to 72-in. concrete culvert pipe and 2,500 lin.ft. 12- to 42-in. corrugated metal culvert pipe; crushed rock, sand and gravel, seasons supply, amounts not specified.

Street Signs, Asphalt Filler, etc.—St. Paul, Minn.—Mar. 25, by H. W. Austin, city purch. agt., 1,600 arterial street signs; 40 tons asphalt filler, 300 sq.yd. paving brick. G. M. Shepard, city engr.

Frogs, etc.—Houston, Tex.—Mar. 20, by H. L. Washburn, aud. Harris Co. Navigation Dist., frogs, switches, c.i. pipe, fittings, etc. $25,000-$30,000. E. A. Tucker, Court House, engr.

Power House Equipment—Tacoma, Wash.—Apr. 16, by I. S. Davisson, comr. light and water, manufacture and delivery machinery and equipment for Cushman Power Project; adv. E. N.-R. Mar. 13.

Bituminous Material, etc.—Ottawa, Ont.—Mar. 18, by Ottawa Suburban Rd. Comn., 279 Carling Ave., furnishing bituminous material, portland cement and culvert pipe. A. K. Hay, 279 Carling Ave., engr.

BIDS RECEIVED

Cement, etc.—Brooklyn, N. Y.—E. Riegelmann, boro pres., Boro Hall, Mar. 5, 10,000 bbl. Portland cement, from E. E. Buhler Co., 103 Park Ave., New York, $27,686; 7,000 cu.yd. steam ashes, from High-grade Builders Supply Co., 6th St. and 2nd Ave., $8,680. Noted Feb. 28.

Broken Stone, etc.—Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Mar. 19, 5,000 cu. yd. broken stone and 11,000 cu.yd. sand, from E. B. Simpson, Hempstead Turnpike, Hollis, $2.65 and $1.69 respectively; 11,000 cu.yd. sand, from Tuohey & Upton, Inc., 129 Bway., Flushing, $1.69; 14,000 tons steam ashes and 21,000 cu.yd. broken stone, from McGirr Bros., Inc., 461 8th Ave., New York, $1.22 and $2.11 respectively; 864 ft. 12 in. c.i. pipe, from J. Fox & Co., 233 Bway., New York, $2.77; 400 granite blocks from J. Prowse, 528 Flushing Ave., Astoria, $3,084; 550 net tons lime, from Superior Lime Corp., 171 Morgan Ave., Brooklyn, $11,138. Noted Mar. 6.

Binder, etc.—Freehold, N. J.—Monmouth Co. Mar. 5, 300,000 gal. lignin binder from M. R. Young, 34 Fisher Pl., Trenton, $0.14 per gal.; 100,000 gal. bituminous dressing for macadam roads, from W. G. Harrington, 50 Church St., New York City, $0.4525 per gal. Noted Feb. 21.

Paving Mixer and Tractors—St. Paul, Minn.—H. W. Austin, city purch. agt., Mar. 4, gasoline power paving mixer, non-tilting type, from Austin Mchy. Corp., 375 Cedar St., $5,500; two 10-ton truck tractors, from D. A. Odell Motor Car Co., 131 South 10th St., Minneapolis, $3,828 each. Noted Feb. 28.

CONTRACTS AWARDED

Granite Paving Blocks, etc.—New York, N. Y.—J. Miller, pres. Manhattan Boro. Municipal Bldg., 50,000 granite paving blocks, to St. George Granite Co., 90 West St., $7,425; 500 tons asphalt filler and 30,000 gal. gasoline, to Standard Oil Co., 26 Bway., $9,450 and $6,000 respectively; 4,000 cu.yd. coarse aggregate, to Seaboard Sand & Gravel Corp., 26 Cortlandt St., $9,200; 3,000 tons inorganic dust, to New York Trap Rock Corp., 101 Park Ave., $18,720; 3,000 cu.yd. concrete sand, to Gallagher-Shand, Inc., 420 East 105th St., $4,950; 6,000 cu.yd. binder stone, to Calvin Tompkins & Co., 30 Church St., $11,580; one tandem steam roller, to Buffalo Springfield Roller Co., 150 Nassau St., $2,813. Noted Feb. 21.

Cement—Madison, Wis.—For 10,000 bbl. cement, divided into 3 lots and let to Conklin & Sons Co., Conklin Bldg., Castle & Doyle, State St., and Struck & Irwin Co., Mifflin St., all bid $2.79. Noted Feb. 21.

Pipe—Dallas, Tex.—For 50 tons c.i. pipe, to Natl. Cast Pipe Co., Kirby Bldg., $1.378 per ft.

Steel Rails—Montreal, Que.—Canadian Pacific Ry., Windsor St. Sta., Montreal, 50,000 tons 100 lb. steel rails to Algoma Steel Corp., Saulte Ste. Marie, Ont. Rails will be laid by day labor. J. M. R. Fairbairn, ch. engr.

OFFICIAL PROPOSALS

Bids: March 19.

Delaware River Bridge

CONTRACT NO. 13

CABLE BANDS, SUSPENDERS, AND HAND ROPES

Philadelphia, Pa.

Sealed proposals for the construction of the cable bands, suspenders, and hand ropes of the bridge over the Delaware River connecting the cities of Philadelphia and Camden, will be received by the Delaware River Bridge Joint Commission at Room 806 Widener Building, Philadelphia, Pa., until 2:30 P. M., March 19, 1924, at which place and time they will be publicly opened and read. The contract will be awarded, all bids rejected, within fourteen days after bids are opened. The right is reserved to reject any or all bids.

The cable bands, suspenders, and hand ropes are to be erected upon the main cables of the bridge, between the two anchorages. The work includes furnishing of materials, and their erection, ready for the attachment of the suspended structure.

Bids must be made upon the blank proposal form which, together with specifications, bond and contract form, and contract drawings, may be obtained at the office of the Joint Commission upon deposit of $15.00, which deposit will be refunded upon the receipt of bid or return of the copies.

Each proposal must be accompanied by a certified check for Fifteen Thousand Dollars, drawn upon a national or state bank or trust company having an office either in Philadelphia or Camden, and payable to the Delaware River Bridge Joint Commission, and surety's consent must be shown. The bidder or bidders to whom the contract is awarded will be required to give bond in the sum of fifty per cent. of the amount of the contract.

DELAWARE RIVER BRIDGE JOINT COMMISSION
GIFFORD PINCHOT,
Chairman.
JOSEPH K. COSTELLO,
Secretary.

Bids: March 27.

Water Works and Sewerage

Dunn, N. C.

Sealed proposals will be received by the Mayor and Board of Town Commissioners of the Town of Dunn, N. C., at the Town Hall in Dunn, N. C., until 2:00 p.m., March 27, 1924 for Water Works and Sewerage Improvements.

The work will consist of:

Brick and Concrete Pumping Station and complete Filter Plant.

Steel Wash Water Tank and Tower.

Eleven miles of Cast Iron Pipe Line (16-inch to 4-inch).

One and one-half miles of 2,200 volt transmission line.

Motor-driven Centrifugal Pumps, and accessories.

Sewer extensions, about one mile.

Sewage Disposal Plant.

Proposals must be marked "Proposal for Water Works Improvements."

All bids must be upon blank forms provided in the Proposal, Specifications, and Contract.

Each bid must be accompanied by a certified check for not less than five per cent of the amount of the bid, as evidence of good faith.

Plans and specifications will be on file at the Clerk's office in Dunn, and at the office of the Engineer in Durham, N. C.; and copies of the specifications, form of proposal, etc., will be mailed upon application to the Engineer at Durham, N. C., accompanied by payment of Ten Dollars $10,000) for each set of plans and specifications, which will be refunded to those who submit bona-fide bids.

The right is reserved to reject any or all bids.

J. L. WADE, Mayor,
H. A. PARKER, Clerk.

Engineer:
GILBERT C. WHITE CO.,
Durham, N. C.

Bids: March 27.

Water Supply System

Newberry, S. C.

Sealed proposals for furnishing material and constructing a Water Supply System for the City of Newberry, S. C., will be received by the Commissioners of Public Works at the City Hall, until three (3) p.m., Thursday, March 27th, 1924.

The Water Supply System will consist of an intake and pumping station, a one million gallon service reservoir, coagulating basin, two 500,000 gallon concrete filters and approximately 14,000 feet of 12 inch supply main.

Each proposal must be accompanied by a certified check, payable to the City of Newberry, S. C., to an amount equal to five (5) per cent of the bid, as a guarantee that the contract will be entered into if awarded. A bond of one hundred per cent (100) of the contract price will be required. Payments will be made on monthly estimates.

Plans and specifications are on file in the office of the City Clerk, at Newberry, S. C., and with Paul H. Norcross, Consulting Engineer, 1404 Candler Building, Atlanta, Georgia.

Bidders may obtain copies from the Engineer, by enclosing certified check for twenty-five ($25.00) dollars, payable to the City of Newberry, S. C. If blue prints are desired, they may be had at the cost of printing. If the plans, specifications and blue prints are returned within thirty days after opening bids, the check for twenty-five dollars will be returned.

Commissioners of Public Works.
M. L. SPEARMAN,
Chairman.

PAUL H. NORCROSS,
Consulting Engineer,
1404 Candler Building,
Atlanta, Georgia.

(Continued on following page)

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Rate: 40 Cents a Line an Insertion

THESE ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE

E.N.-R.

(Continued from preceding page.)

OFFICIAL PROPOSALS

Bids: March 31.

Water Delivery System

Barberton, Ohio.

Sealed proposals will be received at the office of the Director of Public Service, Barberton, Ohio, until 12 o'clock noon, Eastern Standard time of the 31st day of March, 1924, and then publicly opened and read for constructing a complete delivery system from the Water Purification Plant to the present mains in the City of Barberton, Ohio, comprising the following approximate quantities:

32 valves ranging in size from 4 inch to 24 inch.

2,350 tons of cast iron bell and spigot pipe 6", 8", 12", 16" and 24".

20 tons of special castings.

The furnishing of all labor and material necessary for the laying of the pipe called for above including the setting of valves and special castings, the construction of valve chambers, crossings and all work incidental thereto.

The furnishing and installing complete of a 1,150,000 gallon steel storage tank.

Payment for the performance of the above work will be made as stipulated in the form of contract which is on file in the office of the Director of Public Service. Copies of the plans, proposal forms, specifications and forms of bonds can be seen at the office of the Director of Public Service and can be obtained from that office or from the office of Wm. G. Clark, Consulting Engineer, 1046 Spitzer Building, Toledo, Ohio, upon deposit of Twenty-Five ($25.00) Dollars for each set, which will be refunded provided they are returned in good order on or before April 15th, 1924.

Each proposal or bid must contain the full name of every person or company interested in same and shall be accompanied by a bond executed by the bidder and a Surety Company satisfactory to the Director of Public Service on the form marked "A" and attached to the form of proposal in the sum of 10% of the proposal or bid; or in lieu of such bond the bidder may deposit with the Director of Public Service a certified check on a solvent bank in the City of Barberton, Ohio, or the City of Akron, Ohio, payable to the order of the Treasurer of the City equal in amount to such bond.

Said bond or certified check is required as a guarantee that if the bid is accepted, a contract will be entered into and the performance of it properly secured.

The contract bond will be fifty (50%) per cent of the amount of the contract.

Labor and material bid for must be separately stated, with the price of each.

Bidders must furnish satisfactory evidence of their experience and ability to construct work of the character required.

Bidders must use the printed forms provided for the purpose as none other will be received.

The Director of Public Service reserves the right to reject any or all bids or to accept any bid which he may deem advantageous to the City of Barberton.

J. F. MENTZER,
Director of Public Service.

Bids: April 1.

Superstructure

Nashville, Tenn.

Bids will be received until April 1st for erection of superstructure for three span steel bridge of 516 tons, over Cumberland River at Clarksville, Tenn. Erection to begin immediately. Further information on application to the

NASHVILLE BRIDGE COMPANY,
Nashville, Tenn.

OFFICIAL PROPOSALS

Bids: March 31.

Paving

THIRD AVENUE NORTH FROM THE EAST LINE OF STEPHENSON AVENUE TO THE EAST LINE OF 14th STREET NORTH AND 14th STREET NORTH FROM THE NORTH LINE OF LUDINGTON STREET TO THE SOUTH LINE OF THIRD AVENUE NORTH

Escanaba, Mich.

The City of Escanaba hereby gives notice that proposals will be received until two o'clock in the afternoon on the 31st day of March, 1924, at the office of the City Clerk, City Hall, Escanaba, Michigan, for the furnishing of all material and doing of all work of grading and paving Third Avenue North from the East line of Stephenson Avenue to the East line of 14th Street North, and 14th Street North from the North line of Ludington Street to the South line of Third Avenue North; said work to consist of preparing the present water bound macadam base and the laying of an asphaltic concrete, sheet asphalt, or Warrenite bitulithic top course, the bids to be opened at the office of the City Manager, Escanaba, Michigan, on the 31st day of March, 1924, at two o'clock in the afternoon.

Bidders will state in their bids the several kinds of paving, plans and specifications of which have been filed in the office of the City Clerk, and all work to be done according to specifications, plans and diagrams on file in the office of the City Clerk, and in accordance with all requirements in the City Charter.

A certified check for at least 10% of the largest amount bid by each bidder must accompany the bid, the same to be forfeited if the bid be accepted and the bidder refuse or neglect to enter into contract. The City reserves the right to reject any and all bids.

Surety company bonds in a company satisfactory to the City, and bonds in an amount satisfactory to the City, for the performance of the contract and for labor and material, are required.

The City is granted the right to accept any bid so filed on or before the 16th day of April, 1924.

CARL E. ANDERSON, City Clerk.
Dated March 8, 1924.

Bids: March 18.

Paving

Charlotte, N. C.

Sealed proposals for the paving of certain streets in the City of Charlotte will be received by the Board of Commissioners up to 11 o'clock a.m. of the 18th day of March, 1924.

The work to be done consists of approximately 45,000 sq.yd. walk and 211,000 sq.yd. of paving.

Bids will be received on various types.

A certified check equal to five per cent of the amount of the bid, and made payable to the Treasurer of the City of Charlotte, will be required to accompany each bid.

Plans may be seen, and specifications may be obtained, at the office of the City Engineer.

The right is reserved to reject any or all bids or any part of a bid.

By Order of the Board of Commissioners.

W. S. STANCILL,
Commissioner of Public Works.

JOSEPH FIRTH,
City Engineer.

OFFICIAL PROPOSALS

Bids: March 26.

Highway Work

Baltimore, Md.

Sealed proposals for building one section of State Highway, as follows:

Anne Arundel County—Contract AB-10-D. One section of State highway over the Severn River Bridge and Approaches for a distance of 0.67 mile. (Sheet Asphalt).

will be received by the State Roads Commission, at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on Wednesday, the 26th day of March, 1924, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans will be furnished by the Commission upon application and cash payment of $1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred ($500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond, and comply with the Acts of the General Assembly of Maryland, respecting contracts.

The Commission reserves the right to reject any and all bids.

By order of the State Roads Commission this 8th day of March, 1924.

JOHN N. MACKALL,
Chairman.

L. H. STEUART,
Secretary.

Bids: April 16.

Machinery and Equipment

CUSHMAN POWER PROJECT

Tacoma, Wash.

Sealed proposals will be received at the office of the Commission of Light and Water, Tacoma, Washington, between the hours of 12:00 M. and 2:00 P.M., April Sixteenth, 1924, for the Manufacture and Delivery of Machinery and Equipment consisting of 2 27,500 h'p. Hydraulic Turbines, 2 20,000 kva. Generators, 7 6,667 kva., and 4 14,100 kva., and 6 150 kva., and 3 3,333 kva. Transformers and one 15,000 kva. Synchronous Condenser, and auxiliaries, in accordance with the Specifications, therefor, copies of which may be obtained at this office by intending Bidders upon deposit of Twenty-five ($25.00) Dollars.

IRA S. DAVISSON,
Commissioner of Light & Water.
Tacoma, Washington.

Bids: March 25.

Breakwater Jetty

Belmar, N. J.

Sealed bids for the construction of a rock breakwater Jetty with wooden core, approximately 600 feet long, and the furnishing of all material and labor, etc., in connection therewith, will be received by the Mayor and Council of the Borough of Belmar at a Council Meeting to be held in Council Chambers, Borough Hall, on Tuesday evening, March 25, 1924, at 8:00 o'clock p.m.

The Council reserves the right to reject any and all bids.

Detailed specifications may be obtained upon application to the Borough Clerk, Belmar, New Jersey, upon deposit of $25, which will be refunded upon return of said plans and specifications.

FRED V. THOMPSON, M. D.,
Borough Clerk.